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CERULEAN WARBLER BODY MASS AND FORAGING BEHAVIOR PRIOR TO SPRING MIGRATION IN COLOMBIA, SOUTH AMERICA

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Understanding full life cycle needs is a priority for research and conservation efforts directed at migratory birds of conservation concern (Sheehy et al. 2010). Considerable gains have been made in our knowledge of breeding and wintering habitat requirements for a range of Nearctic-Neotropical migratory birds, but little has been done to identify critical habitat needs prior to and during migration (Faaborg et al. 2010). The Cerulean Warbler (*Setophaga cerulea*) is experiencing one of the most rapid population declines of any songbird nesting in the United States (Sauer et al. 2014). Cerulean Warblers are also among the several Neotropical migratory birds that make remarkable journeys from their wintering grounds in South America to their North American breeding grounds each year. While a limited body of work has focused on Cerulean Warbler stopover ecology in Central America (Welton et al. 2012), no studies have ever examined where, when and how birds prepare for spring migration in South America.

It is hypothesized that Cerulean Warblers are making an extraordinary flight between the Andes of northern South America and North America during spring migration without the need to refuel *en route* (Welton et al. 2012), a straight line distance of over 2500 km. If this is the case, then the regions, sites, and habitats where Cerulean Warblers prepare for migration are critical for increasing their energy reserves and subsequently to having a successful migration. Indeed, if the hypothesis is correct, then Cerulean Warblers must

store sufficient energy reserves to cross both the western Caribbean and the Gulf of Mexico. Identifying habitats with high pre-migratory densities of Cerulean Warblers and abundant food resources is therefore vitally important to understanding their pre-migratory needs.

To determine whether Cerulean Warblers make long haul flights between South and North America and to examine where and when the energy required for this journey is accumulated, we initiated a study of Cerulean Warblers in southwestern Antioquia, Colombia. The aim of this pilot study was to determine the practicalities of capturing and observing Cerulean Warblers during the pre-migration period and gather preliminary data on fuel loads, departure dates, density, foraging rates and diet.

METHODS

This project was carried out between the 15 March 2014 and 28 March 2014 near the town of Jericó in southwestern Antioquia, Colombia (Fig 1). The study site was located in a cardamom farm (Finca Cultivares, 5.812453, -75.802811) where cardamom is cultivated on steep mountain slopes between 1000 and 1600 m under a shade of native forest trees. The canopy of shade trees at the study site often surpasses 20 m in height (Fig 2).

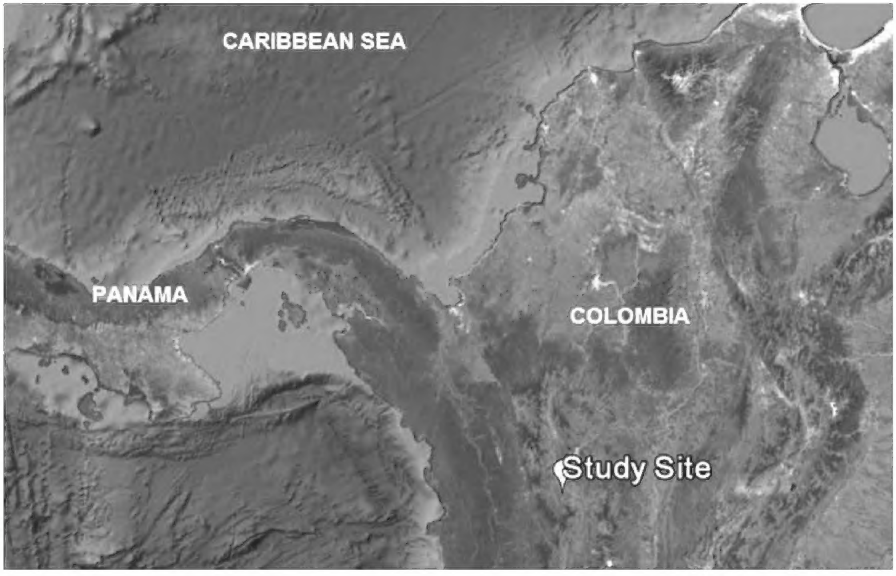

Figure 1. Location of the Cerulean Warbler study site in north-western Colombia.

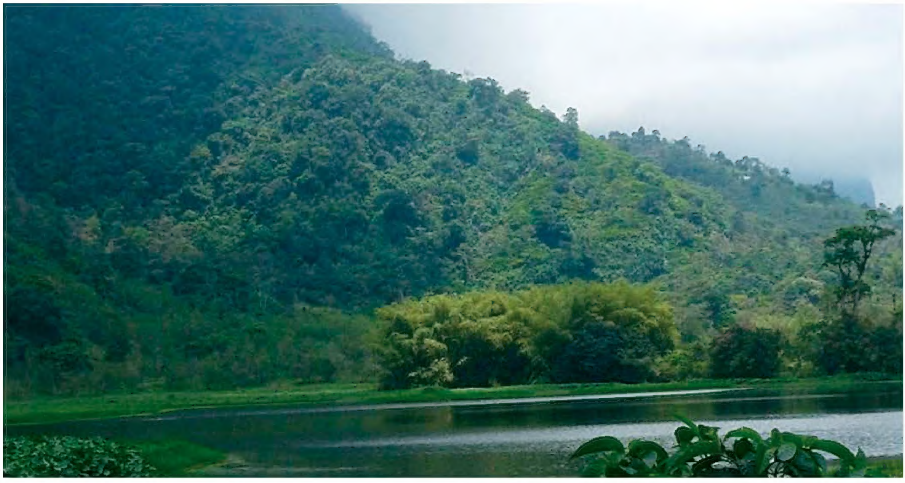

Figure 2. Our Cerulean Warbler study site where cardamom was harvested under canopy trees.

We deployed three principal methods to gather data on Cerulean Warblers:

Mist-netting – We carried out mist-netting on a daily basis with an average of five 12m long nets, including one or two canopy nets. Total mist-net effort, expressed as the number of 12m mist nets in operation multiplied by the number of hours, was 335 mist net hours at an average of 29.6 mist net hours per day. Mist net effort was distributed across three sub-sites and each sub-site was separated by a minimum of 500m in order to target different individual Cerulean Warblers. At two of these sub-sites, one or two canopy nets were installed, such that nets were 6 m to 12m above the ground.

Mist nets were opened at dawn and run for 6 to 7 hours. All migrants captured were returned to a banding station in cloth bags, where they were banded with SELVA rings (reporting address www.aselva.co), and the following data were taken prior to release: age, sex, fat score, muscle score, wing length and body mass. We evaluated different methods to increase the capture rate of Cerulean Warblers including using playback of singing males, calls of females, and an owl mobbing sequence in which a range of alarm calls of Neotropical migrants can be heard. We also deployed a plastaline model of a male Cerulean Warbler close to nets in combination with playback.

Variable-distance transects – We established three transects at the start of the study period covering a total distance of 2.5 km. Two or three transects were walked on a daily basis, and for all Cerulean Warblers detected their age and sex were recorded where possible, as well as their perpendicular distance from the transect. We recorded the same data for all Neotropical migrants detected.

Foraging and diet observations – When Cerulean Warblers were encountered during transects or casually, foraging sequences were recorded where possible, as well as observations of prey items. Foraging sequences involved recording the number of attacks (pecks) a bird made towards presumed prey during a fixed period of time.

RESULTS

Mist netting – During 12 days and 355 mist net hours we captured a total of 89 Neotropical migrants, of which 8 had been banded as part of other research activities at the same study site (Table 1; see Colorado 2013). The most abundant species was the Swainson's Thrush (*Catharus ustulatus*), which showed evidence of migrating through the study area. We captured a total of four Cerulean Warblers, three at the first sub-site, one at the second and none at the third. All individuals captured were second-year (immature) males.

Table 1. Mist net capture totals for Neotropical migrants between the 16 and 27 March 2014 at a study site near Jericó, Antioquia, Colombia.

Common Name	Scientific Name	New captures	Recaptures	Total
Acadian Flycatcher	*Empidonax virescens*	2	1	3
Sulphur-bellied Flycatcher	*Myiodynastes luteiventris*	1		1
Swainson's Thrush	*Catharus ustulatus*	61	2	63
Red-eyed Vireo	*Vireo olivaceus*	1		1
Tennessee Warbler	*Oreothlypis peregrina*	5	1	6
Bay-breasted Warbler	*Setophaga castanea*	1	1	2
Cerulean Warbler	*Setophaga cerulea*	4		4
Blackburnian Warbler	*Setophaga fusca*	1	1	2
Canada Warbler	*Cardellina canadensis*	2	1	3
Mourning Warbler	*Geothlypis philadelphia*	1	1	2
Rose-breasted Grosbeak	*Pheucticus ludovicianus*	2		2
Grand Total		**81**	**8**	**89**

Of the four Cerulean Warblers captured three were captured in normal "ground-level" mist-nets and one in a canopy net. All birds were captured while playback of a singing Cerulean Warbler was in use, and there was no evidence that birds responded favorably to female chip calls, the owl mobbing sequence or the model of a male bird. All four individuals were captured on either the first day (3 individuals) or the second day (1 individual) after mist nets were opened and playback initiated.

Among the four Cerulean Warblers captured, fat scores were low (score 1 or 2, maximum possible 8) and body masses did not exceed 10 g (Table 2). The lean body mass (LBM) of a Cerulean Warbler, i.e. the mass of a bird with no energy stores (principally fat), is expected to be around 8 g, and thus the maximum increase above LBM (9.8 g) is equivalent to an increase of approximately 23% of LBM. Larger increases were recorded in Swainson's Thrushes, with two birds increasing their body mass by 34% and 36% of LBM respectively.

Table 2. Basic banding data for Cerulean Warblers captured during March in south-west Antioquia, Colombia.

Species	Age	Sex	Fat Score	Muscle Score	Wing length	Body mass
Cerulean Warbler	Second year	Male	0	2	63 mm	8.3 g
Cerulean Warbler	Second year	Male	2	2	66 mm	9.8 g
Cerulean Warbler	Second year	Male	2	2	66 mm	9.6 g
Cerulean Warbler	Second year	Male	1	2	66 mm	9.6 g

Variable-distance transects – Twenty Cerulean Warblers (9 males, 11 females) were detected during the 11 days of transect surveys. The average length of each day's survey was approximately 1.82 km, and we are fairly confident that all Cerulean Warblers within 15 m were detected (Table 3). Therefore, a very crude estimate of density would be 33.3 Cerulean Warblers per square km. This estimate could either be an underestimate, because we did not account for imperfect detectability, or an overestimate because we walked transects very slowly (approximately 0.5 km/hour) and could have allowed additional birds to enter the survey area. Another way of expressing the relative abundance would be that we detected approximately 1.0 Cerulean Warbler/km transect. The number of individuals detected per day appeared to decrease during the study period (Table 3).

Foraging data and diet – Relatively few foraging sequences were recorded for Cerulean Warblers. A total of 422 seconds of foraging data were collected, giving rise to a mean attack rate of 8.6 attacks/minute. Prey items included small flies (multiple observations) and small to moderate sized caterpillars (two observations).

Table 3. Number of Cerulean Warblers detected and the length of transects completed on each day of surveys.

Date	Cerulean Warbler detections	Survey length (km)	Cerulean Warblers / km
17-Mar-14	3	1.67	1.80
18-Mar-14	2	1.67	1.20
19-Mar-14	3	1.67	1.80
20-Mar-14	4	2.50	1.60
21-Mar-14	2	0.83	2.40
22-Mar-14	0	1.67	0.00
23-Mar-14	2	1.67	1.20
24-Mar-14	1	2.50	0.40
25-Mar-14	1	2.50	0.40
26-Mar-14	1	1.67	0.60
27-Mar-14	1	1.67	0.60

DISCUSSION

The key findings from this study were that male Cerulean Warblers responded well to playback of singing male Cerulean Warblers during the spring pre-migration period in Colombia, making it possible to lure birds to mist nets and be captured. We found evidence for small fat stores in the sample of birds caught, indicating that birds were capable of medium distance flights from the study site but not the long-distance flights predicted (Welton et al. 2012). This finding implies that birds attain important fuel reserves at sites used by wintering birds and strengthens the case for the conservation of wintering habitats. There was no evidence for a build-up in the number of birds at our study site in south-west Antioquia, suggesting that the birds present were primarily wintering birds preparing for spring migration; numbers appeared to decrease as birds departed the study site. The limited data collected on diet and foraging rates suggest that birds were primarily consuming insects prior to migrating.

This study was designed in part to determine the feasibility of carrying out a larger study examining the ecology and needs of Cerulean Warblers prior to spring migration. An important element was to evaluate capture methods and also determine whether birds could be recaptured in the same period. We demonstrated that playback works very well to catch males (all second year birds in this case) and that generally if a net plus playback are going to work, they will do so within two days of a net being installed. This result is based on the four males we captured, and clearly further study would help confirm its generality. Nevertheless, we estimated that in the area in which the mist nets were operated, there was a minimum of 11 Cerulean Warblers present during the study period of which six or more were males. That we caught four or over 50% of the males present would seem to support the efficacy of the methods deployed, especially when one considers that Cerulean Warblers are primarily canopy birds that rarely descend to the typical height of mist nets.

Given that birds were always caught within two days of mist nets being erected, a methodology involving the rotating of nets between multiple sub-sites and operating nets with playback for two days at each site could yield sample sizes of 10 to 20 male Cerulean Warblers over a period of three weeks. If the same methodology was deployed at study sites with higher densities than those recorded at Jericó, sample sizes could be larger. A study designed along these lines could therefore yield important data on departure body masses, but it still seems unlikely that it would be possible to recapture sufficient birds to examine rates of fuel deposition (a key indicator of habitat quality; Bayly et al. 2012) and how this might vary between habitats.

The Cerulean Warblers captured in this study did not exhibit large energy reserves in terms of visible fat as we might expect if they are making long-distance flights from their wintering grounds or stopover sites in northern South America to North America. Instead, small energy reserves, sufficient for a flight of around 1000 km were recorded. These findings do not rule out, however, that birds had larger energy reserves on departure. At least one banded male was observed four days after its initial capture. Warblers often deposit a mass equivalent to 3-5% of their lean body mass in energy per day (Moore and Kelinger 1987), and thus the birds we captured may have increased their fuel stores by a further 12-20% prior to departure. If this increase was on top of a fuel store of around 20% of LBM, as seen

in three of the captured males, final fuel stores after four days of additional fueling may be equivalent to around 30-40% of LBM. Fuel stores of this magnitude would allow for flights >2000 km (Bayly et al. 2012) but are still short of the total distance from our study site to the southern United States (3000 km).

ACKNOWLEDGMENTS

This study would not have been possible without the advice and logistical assistance of Gabriel Colorado prior to the study and the crucial help provided by Giovany Valencia at the study site. Doña Mary graciously provided room and board. We thank Bob Ford for his comments and suggestions and the Tennessee Ornithological Society, SELVA: Research for Conservation in the Neotropics, and the John Noel Company for financial support.

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ROUND TABLE NOTES

BANDED COOPER'S HAWK RECOVERY- On 30 July 2014, a banded Cooper's Hawk (*Accipiter coopertii*) was found dead on the roadside in Craighead County, Arkansas, near Jonesboro. The band was recovered by the individual who found the bird and the information sent to the U. S. Fish and Wildlife Service's Bird Banding Office. Martha Waldron, the Federal bird bander in the Memphis area, received the band information.

This Cooper's Hawk was originally brought to the Mid-South Raptor Center as a nestling in May 2012, where it was banded on 1 July 2012. The bird was released on the grounds of the Center. The bird was recovered two years later and had traveled more than 70 km from the original release site. Although many believe that a bird raised by humans cannot survive because it may not have the ability to hunt once it is released, this bird survived two years after it was released. For rehabilitation and release purposes, it is possible to release hawks in the same general area since they will tend to leave and not overpopulate a specific area. In the past we have received hawks in the Memphis/Shelby County area for rehabilitation, that were originally from as far away as Michigan, Illinois, Indiana, and Minnesota.

Knox Martin, Mid-South Raptor Center, Memphis, TN

ANHINGAS AND DOUBLE-CRESTED CORMORANT IN HERONRY IN GIBSON COUNTY - On 17 June 2014 I visited a heronry dominated by Great Blue Herons (*Ardea herodias*) and Great Egrets (*Ardea alba*) in the Macedonia Bottoms north of Hwy 104 in the extreme western part of Gibson County, just east of the Forked Deer River. This colony has been active since at least early 2000. Through my scope I saw two male Anhingas and a female Anhinga in the air at the same time. I kept scoping to the left and found another male and another female Anhinga in the air. I caught a brief glimpse at another before it disappeared behind some trees for a total of six individuals. My only other observation of Anhinga in this area was in July 1991. A single Double-crested Cormorant (*Phalacrocorax auritus*) was also flying into the area of the heronry.

I made subsequent trips to the area on 18 June, 23 June, 25 June, 2 July, 3 July, and 10 July and observed Anhingas in the general area of the heronry each time.

On 17 July Eugene Stephens and I took a boat into the heronry. As we were putting our boat in the water, I saw three Anhingas and four Double-crested Cormorants sitting in a tree. As we went into the area where we could see better, we observed at least 16 Anhingas, including 4 adult males and 6 adult females. The remaining birds were juveniles. We did not see any birds in any of the nests, but several appeared to have recently fledged. One of the birds had down feathers, was unable to fly and looked like it had very recently left of the nest. We also saw at least 10 adult and 5 juvenile Double-crested Cormorants around the heronry, but none were seen in nests. There were still quite a few Great Blue Herons in and around the nests, and all the young birds we saw were the size of the adults. There

were still several Great Egrets present as well with several large young sitting in and near nests. We saw one Little Blue Heron (*Egretta caerulea*) flying over, but none were seen in or around the nests. Eight Green Herons (*Butorides virescens*) were perched away from the main nesting colony in smaller trees. They may have nested in the outskirts of the colony, but we saw no nests.

All the nests we saw were in Baldcypress (*Taxodium distichum*). At least 200 total nests were in the heronry. Most nests were empty; I estimated about 30% were still occupied. However, we did not get an accurate count since we stayed well away from the colony in a boat and tried to look from a safe distance. I estimated 60-70% of all the birds present were Great Egrets.

Several other birders visited the area, and Anhingas were observed on 25 June by Rick Shipkowski, 29 June by Stephen Zipperer, 12 July by Darrel Wilder and Joshua Stevenson, 13 July by Ruben Stoll, and 26 July by Chloe and Nolan Walker. My last observation was on 1 August when I noted a single Anhinga perched in a dead tree near the colony; the vast majority of herons and egrets had departed.

Mark A. Greene, Trenton, TN

2014 TENNESSEE FALL BIRD COUNTS

Compiled by Ron Hoff
282 Hackworth Lane, Clinton, TN 37716

The Tennessee Fall Bird Counts in 2014 involved 147 observers in 59 parties who participated in 7 counts. Observers logged just over 330 party hours in the field to locate 33,103 individuals, the lowest in 7 years. Observers recorded 189 species, 4 species higher than the past 6 year average. No major weather events affected the counts this year. Temperatures ranged from 48° (Elizabethton) to 85° F (Montgomery County).

Greater White-fronted Goose, Canvasback, Common Merganser, Ruddy Turnstone, Red Knot, Sanderling, Long-billed Dowitcher, Wilson's Phalarope, Red-necked Phalarope, and Bachman's Sparrow were all new to this compilation, The cumulative species total is 237 for the past 7 years. Other noteworthy species found this year included 69 Wood Storks, American Golden-Plover, and Bell's Vireo. Loggerhead Shrikes continue to be scarce, with only 1 bird found this year in Knox County.

COUNTY SUMMARIES

(F/Y = feeder/yard watcher)

Blount County – 21 September; 0500-2030. Weather: sunny in the morning, becoming cloudy and unsettled with wind and light rain in the afternoon; 64-80° F. The Maryville downtown Peregrine Falcon was seen for the first time this Fall on count day, marking its 4th winter season here. Eurasian Collared-Doves had a high count of 14 this year indicating breeding success. Observers: Jean J. Alexander (compiler: 3908 Riverview Dr., Maryville, TN 37804; jjadmj@yahoo.com), Doug Bruce, Dawn Dextraze, Chuck Estes, Melinda Fawver, Marian D. Fitzgerald, Tom E. Fitzgerald, Paul D. Hartigan, Kim J. Henry, Stephen P. Henry, Thomas D. Howe, Susan Hoyle, James R. Human, David M. Johnson, Kristine Johnson, Karen J. Petrey, Martha Rudolph, Doug Schneeberger, and June D. Welch.

Elizabethton – 27 September; 0430-1915. Weather: partly cloudy with light and variable wind; 48-80° F. Common Merganser, Red-necked Phalarope, and Eastern Whip-poor-will were all new species for the count this year, bringing the cumulative species total to 220. The Common Merganser set a new early arrival date locally by exactly one month. Observers: Fred Alsop, Jim Anderson, Emily Bays, Paul Bayes, Jerry Bevins, Rob Biller, Kevin Brooks, Ron Carrico, Wallace Coffey, Glen Eller, Harry Lee Farthing, Bambi Fincher, Jacki Hinshaw, Don Holt, Caitlin King, David Kirschke, Rick Knight (compiler: 804 N. Hills Dr., Johnson City, TN 37604; rknight8@earthlink.net), Roy Knispel, Richard Lewis, Nicholas Lorch, Joe McGuiness, Tom McNeil, John Moyle, Cathy Myers, Brookie Potter, Jean Potter, Sherry Quillen, Chris Soto, Bryan Stevens, Kim Stroud, Gary Wallace, and Darrel Wilder.

Knoxville – 28 September; 0600-1920. Weather: light fog in the morning, clear the rest of the day; wind NE 0-10 mph; 60-80° F. Count highlights included American Golden-Plover, Loggerhead Shrike, and Lincoln's Sparrow. Observers: Jean Alexander, Robin Barrow, Frank Bills, Gail Clendenen, Steve Clendenen, K. Dean Edwards (compiler: 1615 Meadow Chase Ln., Knoxville, TN 37931; kde@angst.engr.utk.edu), Chuck Estes, Paul Hartigan, Ron

Hoff, Angela Hoffman, Tom Howe, Susan Hoyle, James Human, David Johnson, Kristine Johnson, Tony King, Dollyann Myers, Denise Nauman, Charles P. Nicholson, W. Kelly Roy, Martha Rudolph, Michael Ryon, Beth Schilling, and Chris Welsh.

Montgomery County – 20 September; 0530-1215. Weather: partly cloudy all day; wind S 6-15 mph, gusts to 20 mph; 61-85° F. Count highlights included Bell's Vireo, Wilson's Warbler, and Bachman's Sparrow. Observers: Daniel Moss (compiler: 1028 Ironworker's Rd., Clarksville, TN 37043; dmoss5@earthlink.net), Steve Routledge, and Rick Shipkowski.

Nashville – 27 September; 0630-1830. Weather: partly sunny in the morning, turning mostly cloudy in the afternoon; wind SE 3-6 mph; 63-84° F. Scissor-tailed Flycatcher was notable. Observers: Jim Arnett, Bill Baker, Kristy Baker, Sandy Bivens, Jean Buchanan, Ed Byrne, Phillip Casteel, Mark Chamberlain, Rosemary Chamberlain, Richard Conners, Dot Dobbins, Francis Fekel, Barbara Harris, John Kell, Bill McLaurin, Michael Meister, Camille Monohan, Mick Morin, Amy Potter, Mary Rosenthal, Cyndi Routledge, Susie Russenberger, Sarah Scott, Jan Shaw (Co-Compiler: 5019 Timberhill Dr., Nashville, Tn. 37211; JanKShaw1@gmail.com), Kathy Shaw, Shelia Shay, Danny Shelton, Chris Sloan, Chad Smith, Michael Smith, Scott Somershoe, Janice Spotts, Joe Stone, Rita Venable, Chloe Walker, Joanna Walker, Nolan Walker, Melinda Walker, Terry Witt, Morgan Young, Robert Young, Mary Zimmerman, and Stephen Zipperer. Non-participating co-compiler: Scott Block.

Perry County - 27 September; 0245-1830. Weather: mostly clear to partly cloudy, with light and variable wind; 56-82° F. 29 species of warblers and 570 Rose-breasted Grosbeaks were notable. Observers: Adam Beachy, Chad Beachy, Evan Beachy, Mikey Beachy, Rose Beachy, Seth Beachy, Leo Schrock, James Schrock, Ruben Stoll (compiler: 899 Miller Rd., Centreville, TN 37033; birdchaserrws@gmail.com), Victor Stoll, Alan Troyer, and Leona Troyer.

Shelby County – 17 September; 0730-1730. Weather: overcast in the morning then turning into broken clouds in the afternoon; wind 10-15 mph, variable throughout the day; 55-71° F. Wood Storks and 16 species of shorebirds (including a juvenile Red Knot) were noteworthy. Observers: Betty Blaylock, David Blaylock, Chad Brown, Mary Cartwright, Judy Dorsey, Rob Harbin, Margaret Jefferson, Gaynell Perry, Dick Preston (compiler: 261 Sassafras Circle, Munford, TN 38058; dickpreston@rittermail.com), Virginia Reynolds, Ed Thomas, Nitya Vittal, Martha Waldron, Jay Walko, and Sue Williams.

2014 Fall Bird Counts

Species	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
Black-bellied Whistling-Duck	-	-	-	-	-	-	37	37
Greater White-fronted Goose	-	-	-	-	-	-	1	1
Canada Goose	137	868	295	1	279	-	153	1733
Wood Duck	28	36	31	6	31	52	4	188
Mallard	1	290	84	2	24	4	74	479
Blue-winged Teal	32	12	-	1	8	19	-	72
Northern Shoveler	-	-	-	-	-	-	37	37
Canvasback	-	-	-	-	-	-	1	1
Common Merganser	-	1	-	-	-	-	-	1
Northern Bobwhite	-	-	-	-	-	1	2	3
Wild Turkey	29	97	30	9	58	56	5	284
Pied-billed Grebe	-	4	1	-	2	-	1	8
Wood Stork	-	-	-	-	-	-	69	69
Double-crested Cormorant	3	15	6	-	93	10	48	175
American White Pelican	-	-	-	-	-	15	-	15
Great Blue Heron	9	41	24	1	24	14	7	120
Great Egret	1	1	7	-	11	19	137	176
Little Blue Heron	-	-	-	-	-	2	2	4
Cattle Egret	-	-	-	-	-	-	1	1
Green Heron	4	4	3	1	1	1	3	17
Yellow-crowned Night-Heron	1	-	-	-	-	-	-	1
Black Vulture	16	40	55	3	305	62	7	488
Turkey Vulture	24	148	27	13	208	163	20	603
Osprey	2	22	4	-	3	2	-	33
Mississippi Kite	-	-	-	-	-	-	1	1
Bald Eagle	3	4	-	-	-	3	3	13
Northern Harrier	-	-	2	1	-	1	-	4
Sharp-shinned Hawk	1	4	-	-	1	5	-	11
Cooper's Hawk	3	9	3	-	8	5	1	29
Accipiter sp.	-	-	-	-	1	-	-	1
Red-shouldered Hawk	5	-	7	1	4	5	5	27
Broad-winged Hawk	4	-	-	-	3	2	1	10
Red-tailed Hawk	10	21	11	1	15	10	4	72
Sora	2	-	-	-	-	-	-	2
American Coot	-	-	-	-	3	-	-	3
Black-necked Stilt	-	-	-	-	-	-	5	5

	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
American Golden-Plover	-	-	1	-	-	-	-	1
Killdeer	20	63	60	13	47	7	91	301
Spotted Sandpiper	1	1	-	-	-	-	1	3
Solitary Sandpiper	-	1	-	-	2	1	7	11
Greater Yellowlegs	-	-	-	-	1	-	3	4
Lesser Yellowlegs	-	-	-	-	-	-	40	40
Ruddy Turnstone	-	-	-	-	-	-	3	3
Red Knot	-	-	-	-	-	-	1	1
Stilt Sandpiper	-	-	-	-	-	-	42	42
Sanderling	-	-	-	-	-	-	3	3
Least Sandpiper	-	-	-	-	-	1	3654	3655
Pectoral Sandpiper	-	1	-	-	-	-	36	37
Semipalmated Sandpiper	-	-	-	-	-	-	16	16
Western Sandpiper	-	-	-	-	-	-	3	3
Long-billed Dowitcher	-	-	-	-	-	-	1	1
Wilson's Snipe	-	-	2	-	-	-	-	2
American Woodcock	-	1	-	-	-	-	-	1
Wilson's Phalarope	-	-	-	-	-	-	1	1
Red-necked Phalarope	-	1	-	-	-	-	-	1
Ring-billed Gull	-	-	-	-	20	-	-	20
Caspian Tern	-	6	-	-	3	-	-	9
Black Tern	-	-	-	-	-	-	3	3
Rock Pigeon	118	233	530	-	60	4	116	1061
Eurasian Collared-Dove	14	1	-	2	7	4	125	153
Mourning Dove	247	255	309	5	109	40	105	1070
Yellow-billed Cuckoo	-	1	-	1	2	2	3	9
Cuckoo sp.	1	-	-	-	-	-	-	1
Barn Owl	-	-	-	-	-	-	2	2
Eastern Screech Owl	3	26	2	-	4	8	-	43
Great Horned Owl	2	10	1	1	-	7	1	22
Barred Owl	1	6	1	5	3	12	2	30
Northern Saw-whet Owl	-	2	-	-	-	-	-	2
Common Nighthawk	4	3	-	-	1	-	-	8
Eastern Whip-poor-will	-	1	-	-	-	2	-	3
Chimney Swift	265	654	209	75	314	17	13	1547
Ruby-throated Hummingbird	29	21	10	16	9	15	17	117
Belted Kingfisher	8	32	16	1	24	10	3	94
Red-headed Woodpecker	6	2	1	1	3	3	5	21

	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
Red-bellied Woodpecker	39	65	70	6	80	29	31	320
Yellow-bellied Sapsucker	-	9	4	-	1	1	-	15
Downy Woodpecker	25	43	33	6	62	21	18	208
Hairy Woodpecker	2	9	7	3	13	3	2	39
Northern Flicker	21	56	42	4	24	15	8	170
Pileated Woodpecker	27	27	16	7	17	18	5	117
American Kestrel	2	6	5	1	15	9	10	48
Merlin	-	2	3	-	-	-	-	5
Peregrine Falcon	1	1	-	-	-	-	-	2
Eastern Wood-Pewee	20	17	25	-	32	70	16	180
Acadian Flycatcher	-	1	-	-	1	1	11	14
"Traill's" sp.	-	-	-	-	1	-	-	1
Willow Flycatcher	2	-	-	-	-	1	-	3
Least Flycatcher	1	-	-	-	-	1	1	3
Empidonax sp.	6	2	-	2	-	-	-	10
Eastern Phoebe	30	76	38	-	28	25	1	198
Great Crested Flycatcher	-	2	-	-	-	2	-	4
Eastern Kingbird	2	-	-	-	-	3	1	6
Scissor-tailed Flycatcher	-	-	-	-	1	-	-	1
Loggerhead Shrike	-	-	1	-	-	-	-	1
White-eyed Vireo	10	5	13	5	24	30	61	148
Bell's Vireo	-	-	-	2	-	-	-	2
Yellow-throated Vireo	4	5	1	3	1	8	6	28
Blue-headed Vireo	5	25	-	-	-	-	-	30
Warbling Vireo	1	-	-	-	-	1	2	4
Philadelphia Vireo	-	4	2	-	4	7	-	17
Red-eyed Vireo	5	6	3	-	1	6	6	27
Blue Jay	127	353	242	14	279	99	30	1144
American Crow	172	530	185	17	227	145	23	1299
Fish Crow	-	-	2	-	-	-	-	2
Common Raven	-	28	-	-	-	-	-	28
Tree Swallow	39	428	94	-	-	-	-	561
Northern Rough-winged Swallow	-	-	1	7	-	3	61	72
Purple Martin	-	-	-	20	-	-	-	20
Barn Swallow	4	-	-	69	1	3	2	79
Cliff Swallow	-	-	-	14	-	-	-	14
Carolina Chickadee	72	162	109	10	195	41	36	625
Tufted Titmouse	49	89	63	13	100	28	29	371
Red-breasted Nuthatch	-	2	-	-	-	-	-	2
White-breasted Nuthatch	20	46	29	4	55	10	17	181

	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
Brown-headed Nuthatch	2	-	8	-	-	-	-	10
House Wren	6	10	1	-	5	-	-	22
Winter Wren	-	2	-	-	-	-	-	2
Sedge Wren	-	-	-	4	-	-	-	4
Marsh Wren	1	3	2	-	-	1	-	7
Carolina Wren	87	191	126	13	156	44	29	646
Blue-gray Gnatcatcher	3	1	-	-	3	4	4	15
Golden-crowned Kinglet	-	7	-	-	-	-	-	7
Ruby-crowned Kinglet	1	2	-	-	1	1	-	5
Eastern Bluebird	66	122	116	4	95	95	32	530
Veery	-	2	6	-	-	1	-	9
Gray-cheeked Thrush	-	6	10	-	2	10	-	28
Swainson's Thrush	5	29	48	3	12	29	-	126
Hermit Thrush	-	2	-	-	-	-	1	3
Wood Thrush	2	11	13	3	2	17	1	49
American Robin	227	554	207	17	265	9	203	1482
Gray Catbird	25	59	47	4	27	12	-	174
Brown Thrasher	7	18	30	2	35	12	1	105
Northern Mockingbird	69	67	166	7	106	51	25	491
European Starling	1905	2109	872	61	604	57	978	6586
American Pipit	-	-	1	-	-	-	-	1
Cedar Waxwing	36	157	141	19	121	46	-	520
Ovenbird	-	5	2	-	1	3	-	11
Worm-eating Warbler	-	1	-	-	-	1	-	2
Northern Waterthrush	3	1	3	-	1	1	-	9
Golden-winged Warbler	-	-	-	-	2	3	-	5
Blue-winged Warbler	-	-	-	-	1	1	-	2
Black-and-white Warbler	2	8	2	-	3	8	2	25
Prothonotary Warbler	-	-	-	-	-	1	-	1
Tennessee Warbler	4	47	108	-	25	130	4	318
Orange-crowned Warbler	1	1	-	-	-	1	-	3
Nashville Warbler	-	-	1	-	3	5	1	10
Mourning Warbler	-	-	-	-	-	1	-	1
Kentucky Warbler	-	-	-	-	-	-	1	1
Common Yellowthroat	22	25	25	1	23	11	-	107
Hooded Warbler	4	9	2	-	-	2	2	19
American Redstart	7	21	19	3	39	8	11	108
Cape May Warbler	-	10	12	-	-	-	-	22
Northern Parula	-	4	3	1	4	9	14	35
Magnolia Warbler	14	29	97	2	84	50	4	280
Bay-breasted Warbler	-	4	4	1	5	9	-	23
Blackburnian Warbler	1	2	5	-	-	-	-	8

	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
Yellow Warbler	-	-	1	-	-	1	-	2
Chestnut-sided Warbler	1	3	7	-	8	7	8	34
Black-throated Blue Warbler	-	10	-	-	-	2	-	12
Palm Warbler	8	56	37	-	5	4	-	110
Pine Warbler	6	6	8	-	-	7	2	29
Yellow-rumped Warbler	2	1	1	-	1	1	-	6
Yellow-throated Warbler	1	2	2	-	2	2	1	10
Prairie Warbler	1	2	1	-	-	1	-	5
Black-throated Green Warbler	1	10	9	-	16	3	2	41
Canada Warbler	-	1	-	-	-	1	-	2
Wilson's Warbler	-	-	2	1	1	2	1	7
Yellow-breasted Chat	-	-	-	-	1	1	-	2
Eastern Towhee	8	66	28	1	51	6	2	162
Bachman's Sparrow	-	-	-	1	-	-	-	1
Chipping Sparrow	4	19	22	2	17	53	22	139
Field Sparrow	27	32	78	-	66	7	-	210
Savannah Sparrow	-	5	3	-	-	2	-	10
Song Sparrow	16	197	49	-	8	-	-	270
Lincoln's Sparrow	-	3	1	-	-	1	-	5
Swamp Sparrow	-	2	-	-	-	3	-	5
White-crowned Sparrow	-	-	1	-	-	-	-	1
Dark-eyed Junco	-	57	-	-	-	-	-	57
Summer Tanager	-	1	7	6	25	31	14	84
Scarlet Tanager	2	6	3	-	1	8	-	20
Northern Cardinal	103	165	157	14	205	59	38	741
Rose-breasted Grosbeak	9	67	15	5	36	570	-	702
Blue Grosbeak	3	-	-	-	3	10	1	17
Indigo Bunting	80	14	54	12	53	150	21	384
Bobolink	-	1	3	-	-	-	-	4
Red-winged Blackbird	30	9	89	-	40	1	5	174
Eastern Meadowlark	3	22	12	-	5	39	-	81
Common Grackle	43	4	125	55	403	6	4	640
Brown-headed Cowbird	225	2	21	-	1	2	15	266
Baltimore Oriole	-	-	1	-	1	-	2	4
House Finch	60	68	68	3	49	15	1	264
American Goldfinch	100	293	73	12	138	23	23	662
House Sparrow	1	54	38	3	36	33	2	167
Total individuals	4724	8311	5266	608	5155	2691	6348	33103
Total species	105	128	110	69	108	125	110	189

	Blount Co	Elizabethton	Knox Co	Montgomery Co	Nashville	Perry Co	Shelby Co	Totals
Observers	18	32	24	3	43	12	15	147
Parties	10	8	15	2	12	4	8	59
Party hours	63.5	79	53.08	8.25	62.5	30	33.75	330.08
Hours by car	22.5	-	16.25	1.5	23.25	5	12.75	81.25
Hours by foot	41	-	46.33	6.75	39.25	25	21	179.33
Hours by boat or other	-	-	0.5	-	-	-	-	0.5
Miles by car	201.2	-	237	35	351	34	106	964.2
Miles by foot	17	-	28.1	1.2	24	10	19	99.3
Miles by canoe or other	-	-	0.5	-	-	-	-	0.5
Hours owling	2.33	9	1.5	0.75	1.25	3	-	17.83
Miles owling	-	-	15.5	-	2	5	-	22.5
Feeder/yard watch observers	6	-	-	-	-	-	-	6
Feeder/yard watch hours	2.75	-	3.5	-	-	-	-	6.25

TENNESSEE ORNITHOLOGICAL SOCIETY
MINUTES OF THE FALL BOARD OF DIRECTORS MEETING

4 October 2014

The Fall Meeting and Research Symposium was held 3-5 October 2014 in Manchester, TN, hosted by the Highland Rim Chapter of TOS. Field Trips were offered to Bark Camp Barrens, May Prairie, and Woods Reservoir.

The meeting was called to order by President Ron Hoff at 4:00 p.m. Laura McCall, acting as Secretary in the absence of Cyndi Routledge, determined that a quorum had been met. Minutes of the Spring 2014 meeting were approved as read.

REPORTS OF OFFICERS AND DIRECTORS-AT-LARGE

Treasurer: Treasurer Mac McWhirter reported that the Society remains in sound financial condition. During the year we have paid for seven back issues of *The Migrant* and have not had to draw upon investment funds for the costs of back issues. The cost of printing these has been significantly less than expected due to the management of the issues between the printer and the editors. We will have to withdraw some funds in the future as more back issues are printed. The investment fund has a market value of approximately $325,000 at this time.

REPORTS ON PUBLICATIONS

***The Migrant*:** Editors Susan McWhirter and Martha Waldron reported that the December 2012 issue is in layout. Martha reminded those present to consider making submissions for Roundtable Notes and Book Reviews. Bob Ford will take over as editor with the 2014 issues.

***The Tennessee Warbler*:** Editor Theresa Graham reported that the deadline for the December edition is October 31 and reminded clubs to send her any change of contact information.

COMMITTEE REPORTS

Tennessee Bird Records Committee (TBRC): Kevin Calhoon sent a report via Ron Hoff indicating that TBRC is considering changing bylaws governing documentation requirements for 1st, 2nd, etc., records. Bill Pulliam and Jan Shaw are rotating off the committee; Chris Sloan and Daniel Jacobsen have been appointed, with David Kirschke as alternate.

Discussion followed concerning changes to documentation requirements that would retroactively affect old records. This topic will be addressed again in Spring 2015.

Another discussion ensued regarding the location of TBRC documentation submissions; they are not at the UT Knoxville library, as some have tried unsuccessfully to locate them there.

Conservation Policy Committee: Dick Preston reported that nationally the issue of 30-year "take" permits on eagles to the wind power industry remains problematic. Also, the closure of the TVA Allen Steam Plant in Memphis and the possible loss of the ponds there, while still years off, needs to be on our radar.

Conservation and Research Funding Committee: Chris Welsh reported that all funds had been allocated. An Education Subcommittee has been created, which provided $500 to the Girls Outside program for binoculars. The binoculars are to be returned to TOS if the Girls Outside program ends.

OLD BUSINESS

100th-Anniversary Celebration: Steven Routledge – The 100th Celebration Committee met last month, and they hope to have a registration form ready in time for the next edition of *The Tennessee Warbler*. Early registration will by $32, late registration $42, and the Saturday evening meal will by $28. A commemorative t-shirt will be available for pre-order.

Susan Hollyday reminded clubs and individuals to submit memorabilia and prepare displays on special projects, and she encouraged each chapter to make a display for its history and projects. Please let Susan know if you need space for a display.

Discover Birds Activity Books: Steven Routledge announced that we have 10,500 of the books, and that clubs and/or individuals can contact him or Cyndi Roultedge to get copies. Chris Welsh added that we have gotten a good response from recipients. Members can keep up with who is getting the books by going to http://discoverbirds.blogspot.com.

NEW BUSINESS

Winter Meeting – Gaynell Perry suggested Tennessee National Wildlife Refuge as a location and agreed to check with staff educators about availability at the end of January.

Chapter Pages on TOS Website – These need to be updated. Each chapter needs to contact Chuck Nicholson to update officers and to list repeating events.

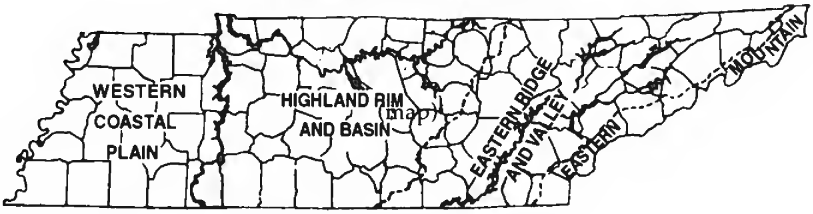
County Forays – It was suggested that we need to begin conducting breeding bird forays again, and perhaps aim to conduct two each year. Discussion followed about who would organize and where the first ones should be held. Ron will put out a call for a County Foray Coordinator in the next issue of *The Tennessee Warbler.*

The meeting adjourned at 5:10.

Respectfully submitted,
Laura McCall, Acting Secretary

THE FALL SEASON

Richard L. Knight, Editor



1 August - 30 November 2014

Temperatures and rainfall varied from region to region this autumn. November was considerably cooler than normal statewide.

The only reports of scoters in West and Middle Tennessee were of Black Scoter, generally the rarest of the scoters seen in the state. The lone scoter report from the eastern regions was of the more expected Surf Scoter. Eared Grebes returned to South Holston Lake for their 21st consecutive year, while a Wood Stork and two reports of Roseate Spoonbill were noteworthy for Middle Tennessee. Avocets and Laughing Gulls occurred in all four regions; reports of both species continue to increase in the state. Two Red Knots in Shelby County represented rare sightings in Tennessee of this declining species. Piping Plovers were found in three regions, including a color-banded individual from the Great Plains population. The Ridge and Valley scored a phalarope trifecta. Reelfoot Lake continues to be the state's hotbed for Little Gull sightings with about nine individuals seen there over the last 14 years, including one this fall. A Great Black-backed Gull near Chattanooga was remarkably early. Yellow-bellied Flycatchers appeared in all four regions. Individual Clay-colored Sparrows in two regions continued the recent surge of sightings, while Nelson's Sparrows were seen in opposite ends of the state. Boreal irruptives were sparse this fall with scattered low numbers of Purple Finches and Pine Siskins, but very few Red-breasted Nuthatches.

Hawkwatch totals from two sites are presented in Table 1. The list from Soddy Mountain was compiled by Jimmy Wilkerson, and the list from Big Bald Mountain was compiled by Mark Hopey. Both sites were operated from September into November.

This report marks the departure of Scott Somershoe as the compiler of the Highland Rim and Basin report. We thank Scott for his contributions to this report.

Table 1. Fall 2014 Hawkwatch Totals for Soddy Moutain and Big Bald Mountain.

	Soddy Mtn	Big Bald Mtn
Black Vulture	21	--
Turkey Vulture	215	279
Osprey	6	5
Mississippi Kite	1	--

Bald Eagle	29	3
Northern Harrier	6	7
Sharp-shinned Hawk	61	170
Cooper's Hawk	24	26
Red-shouldered Hawk	12	2
Broad-winged Hawk	2874	1317
Red-tailed Hawk	94	99
Golden Eagle	1	2
American Kestrel	2	16
Merlin	1	23
Peregrine Falcon	4	15
unknown	1	2
Total individuals	3352	2011

Standard Abbreviations

ad - adult
ba - banded
Co - County
Cr - Creek
ers - earliest reported sighting
et al. - and others
fide - reported by
im - immature
L - Lake
lrs - latest reported sighting
max - maximum count
m.ob. - many observers
Mtn - Mountain
NWR - National Wildlife Refuge
SP - State Park

WESTERN COASTAL PLAIN REGION - - The fall season continued a recent trend of cooler and wetter weather. One exception was that the temperature reached 100 ° F in Memphis on 24 August, the only time in 2014, after not reaching that mark in the previous year. Torrential rains in the Memphis area on 11 September measured 4.5 inches, with nearly 7 inches in the following week. Temperatures in November were almost 2° F below normal. Highlights this fall included two separate Red Knots in Shelby County, a Marbled Godwit in Gibson County, a Little Gull at Reelfoot Lake, a Black-billed Cuckoo in Shelby County, a Clay-colored Sparrow in Henry County, and two reports of Nelson's Sparrow.

Waterfowl - Hawk: **Black-bellied Whistling-Duck**: 30 Aug (148, including 46 young in 6 broods) Ensley (JJW, m.ob.), max, with 25 still there on 1 Nov (JJW). **Greater White-fronted Goose**: thru season (1) Ensley (m.ob.), lingered thru summer; 25 Oct (120) Hatchie NWR (Robert Ford), ers; 20 Nov (3000) Lauderdale Refuge (MAG), max. **Snow Goose**: 20 Nov (10,000) Lauderdale Refuge (MAG), max. **Ross's Goose**: 19 Nov (1) Lake Co (MAG), in a flock of 50 Snow Geese; 20 Nov (50+) Lauderdale Refuge (MAG); 25 Nov (1) Jackson

(Steve Ritt); 29 Nov (5+) Britton Ford (RS). **Cackling Goose**: 29 Nov (5+) Britton Ford (RS), ers. **Green-winged Teal**: 20 Nov (2500) Lauderdale Refuge (MAG), max. **Redhead**: 8 Nov (7) Orgill Park, Shelby Co (DDP). **Greater Scaup**: 5 Nov (10+) Gibson Co L (MAG); 29 Nov (45) Paris Landing (RS). **Lesser Scaup**: 5 Nov (9500) Gibson Co L (MAG), max. **Black Scoter**: 4 Nov (1 female) Britton Ford (RS). **Common Goldeneye**: 29 Nov (100+) Paris Landing (RS), max. **Common Merganser**: 29 Nov (1 female) Britton Ford (RS). **Red-breasted Merganser**: 29 Nov (325) Pace Point (RS), max. **Wood Stork**: 31 Aug (30) Mud L, Shelby Co (TJW); 2 Sep (105) Ensley (JJW, DDP); 17 Sep (69) Eagle L, Shelby Co (VBR). **Anhinga**: 31 Aug (1) Mud L, Shelby Co (TJW). **American White Pelican**: 30 Sep (2000+) near Pace Point (SGS), max; 23 Oct (237, flying over) Ensley (JJW). **American Bittern**: 21 Oct (1) Shelby Farms (VBR). **Great Egret**: 17 Sep (98) Eagle L, Shelby Co (VBR). **Snowy Egret**: 30 Sep (12) Eagle Cr (SGS). **Tricolored Heron**: 31 Aug - 1 Sep (2-1) Hatchie NWR (DDP, MCT). **"Krider's" Red-tailed Hawk**: 29 Nov (1) Britton Ford (RS).

Shorebirds: **American Avocet**: 24 / 31 Aug (1 / 5) Ensley (Gail King / TJW); 1 Sep (1) North Treatment Plant (VBR); 5 Oct (4) Pace Point (TJW, SZ); 10 / 26 Oct (2 / 1) Ensley (Chad Brown, David Blaylock / VBR). **Black-bellied Plover**: 31 Aug / 7 Sep (2 / 1) Island 13 (TJW); 20 Sep (1) Big Sandy flats, Henry Co (MCT). **American Golden-Plover**: 13 / 27 Sep (1 / 2) Ensley (MCT / VBR). **Semipalmated Plover**: 6 Nov (1) Gibson Co L (MAG), lrs. **Piping Plover**: 1 Aug (1) jct Hwy 79W / Great River Rd, Lake Co (MAG). **Greater Yellowlegs**: 19 Nov (1) Dyer Co (MAG), lrs. **Willet**: 31 Aug (1) Ensley (TJW). **Lesser Yellowlegs**: 18 Nov (3) Ensley (VBR); 18 Nov (2) Tipton Co (DDP); lrs. **Upland Sandpiper**: 27 Aug / 4 Sep (1) Gibson Co (MAG); 31 Aug (1) near Braden, Fayette Co (DDP); 1 Sep (1) Ensley (MCT). **Marbled Godwit**: 5 Sep (1) middle fork of Forked Deer R bottoms, Gibson Co (MAG), 2nd Co record. **Ruddy Turnstone**: 31 Aug (1) sod farm in Fayette Co (Gaynell Perry); 2-3 Sep (1) Ensley (Gail King, m.ob.); 13 Sep (3) North Treatment Plant (JJW, MCT). **Stilt Sandpiper**: 5 Sep (1) Gibson Co (MAG); 13 Sep (30) Ensley (JJW), max; 30 Sep (1) Eagle Cr (SGS). **Red Knot**: 1-3 Sep (1) Ensley (TJW, m.ob.); 13 Sep (1) North Treatment Plant (DDP, JJW, MCT); photos of both birds by MCT revealed these to be different individuals. **Sanderling**: 1 Aug (1) jct Hwy 79W / Great River Rd, Lake Co (MAG); 3 Aug (1) Mud Island, Shelby Co (MCT); 30 Aug - 2 Sep (1-4) Ensley (MCT, DDP, m.ob.); 31 Aug / 7 Sep (3 / 20) Island 13 (TJW); 1 / 13 Sep (4 / 3) North Treatment Plant (VBR / JJW, DDP). **Dunlin**: 1 Sep (1) North Treatment Plant (VBR), early; 1 Nov (2) Ensley (JJW). **Baird's Sandpiper**: 26 Aug (1) Moss Island WMA, Dyer Co (MAG); 26 Aug (1) Mississippi R sandbar, Lake Co (MAG); 30 Aug - 2 Sep (1-10) Ensley (JJW, MCT, m.ob.); 31 Aug (4) Island 13 (TJW); 3 Sep (6) Gibson Co (MAG). **Least Sandpiper**: 20 Aug / 13 Sep (3500) Ensley (JJW), max. **White-rumped Sandpiper**: 1 Sep (1) Ensley (MCT). **Buff-breasted Sandpiper**: 1 Sep (1) Ensley (MCT). **Pectoral Sandpiper**: 1 Nov (2) Ensley (JJW), lrs. **Short-billed Dowitcher**: 25 Aug - 2 Sep (1-2) Ensley (DDP, m.ob.). **Long-billed Dowitcher**: 1 Sep (2) North Treatment Plant (VBR);13 Sep (1) Ensley (MCT); 19 Nov (1) Great River Rd, Dyer Co (MAG). **Wilson's Snipe**: 20 Nov (250+) Pond Cr bottoms, Crockett Co (MAG), max. **Wilson's Phalarope**: 3-13 Sep (1) Ensley (JJW, m.ob.).

Gull - Falcon: **Laughing Gull**: 1 Aug (1) Tiptonville Bar, Lake Co (MAG); 16 Sep (1) Reelfoot L, Lake Co (MAG). **Franklin's Gull**: 5 Oct (1) Pace Point (TJW, SZ); 16 Oct (3) Eagle Cr (RS). **Little Gull**: 19 Nov (1 im) Reelfoot L, Lake Co (MAG). **Bonaparte's Gull**: 16 Oct (1) Pace Point (RS), ers. **Herring Gull**: 30 Sep (79) Paris Landing (MCT), good number this early. **Lesser Black-backed Gull**: 18 / 30 Sep (2 / 4) Paris Landing (MCT / SGS); 4 Nov (1) Pace Point (RS). **Black Tern**: 20 Aug (20) Ed Davis Fish Farm, Gibson Co (MAG); 30 Aug (8) Ensley (JJW, m.ob.); 3 Sep (16) middle fork of Forked Deer R bottoms, Gibson Co (MAG). **Forster's Tern**: 30 Sep / 29 Nov (47 / 2) Eagle Cr (SGS / RS), max / lrs. **Black-billed Cuckoo**: 3 Sep (1) Shelby Forest (DDP). **Merlin**: 15 Sep / 21 Oct (1) Shelby Farms (Martha Waldron / VBR); 4 Oct (1) Collierville, Shelby Co (JJW, m.ob.). **Peregrine Falcon**: 1 Aug (1) Tiptonville Bar, Lake Co (MAG); 31 Aug (1) Island 13 (TJW); 19 Sep (1) Madison Co (MCT); 6 / 23 Oct (1) Ensley (Georges McNeil / JJW); 4 Nov (1) Lick Cr, Benton Co (RS); 19 Nov (1) Lake Co (MAG).

Flycatcher - Siskin: **Yellow-bellied Flycatcher**: 17 Sep (1) Shelby Forest (DDP, MTOS). **Least Flycatcher**: 29 Aug / 13 Sep (1) Shelby Forest (DDP); 30 Sep (1) Big Sandy Unit (SGS). **Western Kingbird**: 16 Aug (1) President's Island, Shelby Co (TJW), lrs. **Scissor-tailed Flycatcher**: 28 Sep (2) Lauderdale Co (DDP, Larry McPherson). **Marsh Wren**: 20 Sep / 16 Oct (2 / 4) Big Sandy Unit (TJW / RS); 16 Oct (3) Britton Ford (RS). **Sedge Wren**: 30 Sep / 16 Oct (1 / 2) Big Sandy Unit (SGS / RS); 16 Oct (1) Britton Ford (RS). **Gray Catbird**: 14 Nov (1) Camden WMA, Benton Co (RS), lrs. **Blue-winged Warbler**: 29 Aug (3) Shelby Forest (DDP). **Golden-winged Warbler**: 13 Sep (1) Hatchie NWR (MCT); 17 Sep (1) Shelby Forest (DDP, MTOS). **Orange-crowned Warbler**: 16 Oct (2) Big Sandy Unit (RS); 14 Nov (1) Camden WMA, Benton Co (RS). **Yellow-rumped Warbler**: 30 Sep (1) Henry Co (SGS), ers. **Canada Warbler**: 29 Aug (1) Shelby Forest (DDP); 9 Sep (1) Munford, Tipton Co (DDP). **Wilson's Warbler**: 29 Aug / 13 Sep (1) Shelby Forest (DDP et al.). **CLAY-COLORED SPARROW**: 16 Oct (1) Britton Ford (RS). **Le Conte's Sparrow**: 4 Nov (1) Britton Ford (RS). **Nelson's Sparrow**: 16 Sep (1) Lake Co (MAG); 16 Oct (2) Britton Ford (RS). **Lincoln's Sparrow**: 30 Sep / 16 Oct (1) Big Sandy Unit (SGS / RS); 21 Oct (1) Shelby Farms (VBR). **Indigo Bunting**: 4 Nov (1) Britton Ford (RS), lrs. **Dickcissel**: 5 Oct (2) Big Sandy Unit (TJW, SZ), lrs. **Bobolink**: 30 Sep (5) Big Sandy Unit and (4) Britton Ford (SGS). **Western Meadowlark**: 8 Nov (1) Orgill Park, Shelby Co (DDP). **Purple Finch**: 30 Oct (2) Wolf R, Shelby Co (Rob Harbin), ers. **Pine Siskin**: 18 Nov (40) Walker Branch State Natural Area, Hardin Co (Allan Trently).

Locations: Big Sandy Unit - unit of Tennessee NWR, Henry Co; Britton Ford - Henry Co; Eagle Cr - Henry Co; Ensley - Shelby Co; Hatchie NWR - Haywood Co; Island 13 - Lake Co; Lauderdale Refuge - Lauderdale Co; North Treatment Plant - Shelby Co; Pace Point - Henry Co; Paris Landing - Henry Co.; Shelby Farms - Shelby Co; Shelby Forest - Shelby Co.

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HIGHLAND RIM AND BASIN REGION - - We had interesting fall weather in the Nashville basin with a fairly wet August, an unusually dry September, and a very wet October. This was followed by a very cold November which was nearly 6° F colder than the long term average. Good numbers of Golden-winged and Wilson's Warblers were reported. Pine Siskins arrived in small numbers across the region in late October. Some excellent bird sightings for the region included a lingering Wood Stork at Duck River Unit, two reports of Roseate Spoonbill, an early Golden Eagle in Cheatham County, and a lucky photograph of a Brewster's Warbler with a phenotypically-correct Golden-winged Warbler in Davidson County.

Goose - Crane: **Greater White-fronted Goose**: 25 Oct (100+) Perry Co (RS); 25 Oct (60) Bell's Bend (MS, PDC); 14 Nov (225) Duck R. Unit (RS); 24 Nov (7) Percy Priest Field Trial Area (SZ). **Snow Goose**: 26 Oct (200) Duck R. Unit (TJW); 14 Nov (8) Perry Co (RS). **Ross's Goose**: 14 Nov (9) Duck R. Unit (RS); 16 Nov (1) Percy Priest Field Trial Area (SZ); 26 Nov (1) Bledsoe Cr SP, Sumner Co (MS). **Cackling Goose**: 26 Oct / 14 Nov (5 / 25) Duck R. Unit (TJW / RS); 26 Nov (1) Bledsoe Cr SP, Sumner Co (MS). **Ring-necked Duck**: 1 Aug (1) Cross Cr NWR, Stewart Co (Joe Hall), early. **Black Scoter**: 12 Nov (1 female) L Karen, Warren Co (SNM); 13 Nov (1 female) Percy Priest L, Davidson Co (SZ). **Common Loon**: 8 Nov (19, flying over) Smyrna, Rutherford Co (SGS). **Horned Grebe**: 7 Sep (1) Old Hickory L (MS, PDC), very early. **Wood Stork**: 4 Aug - 2 Sep (1) Duck R. Unit (CF, DK, CW), with 1 there 17 Nov (CF), same bird? **American White Pelican**: 19 Aug (200) Duck R. Unit (DK), max; 8 Oct (1, flying over) Murfreesboro (CW); 10 Nov (1, flying over) downtown Nashville, over Cumberland R (CAS); 17 Nov (1) Percy Priest L, Davidson Co (Scott Block). **American Bittern**: 9 / 21 Oct (1) Duck R. Unit (CF). **Great Egret**: 17 Aug (250) Duck R. Unit (SZ), max. **Snowy Egret**: 18 Aug (3) Duck R. Unit (RS). **Little Blue Heron**: 11 Aug (2 ad) marsh on Walter S. Davis Blvd., Nashville (FF); 18 Aug (14) Duck R. Unit (RS). **Yellow-crowned Night-Heron**: 9 Aug (1 ad) Goodlettsville, Davidson Co (Tarcila Fox); 7 Sep (2) Discovery Center, Murfreesboro (CW). **Plegadis sp.**: 19 Oct (1) Duck R. Unit (RS). **ROSEATE SPOONBILL**: 16-19 Sep (1 im) Wildcat Cr, Stewart Co (Joe Hall, SY, m.ob.); 14-17 Oct (1-3) Duck R. Unit (CF). **Mississippi Kite**: 19 Aug (3) Duck R. Unit (CF); 9 Sep (1) Maury Co (WMP); 5 Oct (1) Perry Co (RS, m.ob.), late. **Northern Harrier**: 10 Aug (1) Warren Co (N.P. McWhirter), ers. **Broad-winged Hawk**: 18 Sep (650+) Montgomery Co (MCT). **Golden Eagle**: 21 Oct (1 im) Cheathan Co (Joe Stone). **Sandhill Crane**: 17-26 Aug (1) Duck R. Unit (CF, RS, SZ, CW), likely continuation of summering bird; 13 Nov (15, flying over) west Nashville (Sarah Scott); 13 Nov (30, flying over) Montgomery Co (fide Barbara Wilbur); 15 Nov (10, flying over) Nashville (Michael Lee Bierly).

Avocet - Falcon: **American Avocet**: 19-27 Oct (1) Duck R. Unit (CW, m.ob.); 1 Nov (1) Cross Cr. NWR, Stewart Co (SY). **Black-bellied Plover**: 31 Aug (2) Old Hickory L (SZ, photo); 31 Aug / 2 Sep (3 / 1) Coffee Co sod farm (SNM / SZ, CW). **American Golden-Plover**: 17 Aug (1) Duck R. Unit (RS); 3-4 Sep (1-2) Bell's Bend (FF, PDC, TJW, m.ob.); 5-8 Sep (4-6) Eagleville sod farm (CW, m.ob.); 10 Sep (1) Coffee Co sod farm (SNM). **Piping Plover**: 4-7 Sep (1) Buckner L, Dickson Co (Marjorie Dunham fide SGS, m.ob.). **Killdeer**: 2 Sep (225+) Coffee Co sod farm (SGS); 6 Sep (300+) Eagleville sod farm (SGS). **Willet**:

18 Aug (2) Coffee Co sod farm (SNM); 31 Aug (2) Duck R. Unit (RS); 31 Aug (5) Old Hickory L (SZ, photo); 9 Sep (8) Perry Co (Russ Wells). **Upland Sandpiper**: 4 Sep (1) Bell's Bend (FF, PDC). **Ruddy Turnstone**: 31 Aug / 2-10 Sep (12 / 1) Coffee Co sod farm (SNM, m.ob.); 5-7 Sep (1) Eagleville sod farm (CW, m.ob.). **Sanderling**: 22 Sep (1) Old Hickory L (fide JKS). **Western Sandpiper**: 31 Aug (1) Bell's Bend (FF). **Baird's Sandpiper**: 22 Aug (2) Gateway Pond (CW); 14-16 Oct (1) Old Hickory L (FF, m.ob.). **Least Sandpiper**: 5 Sep (70) Eagleville sod farm (CW). **Buff-breasted Sandpiper**: 2 / 10 Sep (1 / 6) Coffee Co sod farm (SZ / SNM); 3-9 Sep (1-3) Bell's Bend (Scott Block, FF, m.ob.); 5-8 Sep (2-10) Eagleville sod farm (CW, m.ob.). **Pectoral Sandpiper**: 19 Aug (32) Coffee Co sod farm (SNM). **Wilson's Snipe**: 7 Sep (1) Eagleville sod farm (CW), ers. **Laughing Gull**: 19 Oct (1) Duck R. Unit (RS). **Bonaparte's Gull**: 26 Nov (1) Lewis Co (WMP), apparently the first there. **Herring Gull**: 18 Aug (1) Duck R. Unit (RS), ers. **Least Tern**: 31 Aug (1) Duck R. Unit (RS). **Caspian Tern**: 23 Aug (57) Duck R. Unit (CW), max. **Black Tern**: 18 Aug (1) Lewis Co (WMP); 29 Aug (1) Cumberland R, Montgomery Co (SY); 31 Aug (3) Warren Co (SNM); 7 Sep (1) Old Hickory L (MS, PDC). **Forster's Tern**: 7 Sep (23) Old Hickory L (MS, PDC), max. **Common Nighthawk**: 3 Sep (452) Murfreesboro (CW), max. **Ruby-throated Hummingbird**: 20 Oct (2) DeKalb Co (Tommy & Virginia Curtis), lrs. **Yellow-bellied Sapsucker**: 27 Sep (1) Perry Co (fide RS), ers. **Merlin**: 15 Oct / 23 Nov (1) Perry Co (RS). **Peregrine Falcon**: 5 Sep (2) Nashville (CAS); 2 Oct (1) Duck R. Unit (RS).

Flycatcher - Longspur: **Yellow-bellied Flycatcher**: 19 Sep (1) Murfreesboro (SGS).; 7 Oct (1) Lewis Co (WMP). **Least Flycatcher**: 22 Aug (1) Lewis Co (WMP), ers. **Scissor-tailed Flycatcher**: 3 Aug (2) Savannah bottoms, Hardin Co (Jud Johnston); 27 Sep (1) Lytle Cr Rd, Rutherford Co (SGS, TJW, SZ); 28 Sep (1) Harpeth R Greenway, Davidson Co (FF); 19 Oct (1) Eagleville (Ed Schneider); 3 / 9 Nov (1) Rockvale, Rutherford Co (Kristy Baker). **Horned Lark**: 2 Sep (200+) Coffee Co sod farm (SGS). **Bank Swallow**: 30 Aug (500+) Duck R. Unit (WMP), max. **Cliff Swallow**: 2 Oct (1) Duck R. Unit (RS), lrs. **Red-breasted Nuthatch**: 2 Nov (1) Smyrna, Rutherford Co (SGS); 3 Nov (1) Montgomery Co (SY); 4 Nov (1) Shelby Park, Davidson Co (MS); only reports. **Sedge Wren**: 18 Aug / 2 Oct (1) Duck R. Unit (RS); 11 Oct (1) Shelby Bottoms (MS). **Marsh Wren**: 2 Oct (1) Duck R. Unit (RS); 10 Oct (4) Perry Co (RS); 13 Oct (3) Percy Priest Field Trial Area (CW); 17 Oct (2) Shelby Bottoms (FF); 18 Oct (1) Bell's Bend (CW, NTOS). **Ruby-crowned Kinglet**: 28 Sep (1) Perry Co (RS), ers. **Hermit Thrush**: 10 Oct (1) Murfreesboro (CW), ers. **Wood Thrush**: 18 Oct (1) Edgar Evins SP, DeKalb Co (Joshua Stevenson), lrs. **American Pipit**: 24 Sep (1) marsh on Walter S. Davis Blvd., Nashville (FF), ers. **Lapland Longspur**: 18 Nov (10) Robertson Co (Tony Lance).

Warblers: **Golden-winged Warbler**: 9-23 Sep (4 reports of 1) Radnor L (FF, JKS); 12 Sep (1) Lewis Co (WMP); 18 Sep (1) Stones R Battlefield, Rutherford Co (SGS). **"Brewster's" Warbler**: 18 Sep (1) White's Cr, Davidson Co (James Hurt, photo). **Black-and-white Warbler**: 29 Nov (1) Radnor L (MS, PDC), very late. **Tennessee Warbler**: 3 Nov (1) Bell's Bend (FF), lrs. **Orange-crowned Warbler**: 13 Sep (1) Radnor L (CAS), very early; 2 Oct (1) Duck R. Unit (RS); 8 Oct (1) Radnor L (Kevin Bowden, NTOS). **Nashville Warbler**: 1

Nov (1) near Old Hickory Dam (SZ), lrs. **Connecticut Warbler**: 23 Sep (1) Murfreesboro (SZ). **Mourning Warbler**: 27 Aug (1) Lewis Co (WMP); 27 Sep (1) Perry Co (RS); 2 Oct (1) Duck R. Unit (RS). **Kentucky Warbler**: 11 Oct (1) Shelby Bottoms (MS), lrs. **Cape May Warbler**: 10 Sep (1) Murfreesboro (SZ). **Cerulean Warbler**: 13 Sep (1) Radnor L (CAS). **Magnolia Warbler**: 30 Aug (1) Duck R. Unit (WMP), ers. **Black-throated Blue Warbler**: 23 / 26 Sep (1 female / 1 male) Radnor L (JKS / FF, JKS); 24 Oct (1 male) Clarksville (Stefan Woltmann). **Palm Warbler**: 12 Sep (1) Radnor L (FF), ers. **Prairie Warbler**: 29 Nov (1) Cane Cr Park, Putnam Co (Stephen J. Stedman), lrs. **Canada Warbler**: 25 Aug (1) Shelby Bottoms (KDE), ers. **Wilson's Warbler**: 9 Sep - 8 Oct (multiple reports) Radnor L (FF, JKS, NTOS); 15 / 23 Sep (1 / 2) Murfreesboro (SZ); 20 Sep (2) Shelby Bottoms (FF, NTOS); 22 Sep (1) Murfreesboro (CW); 2 Oct (1) Duck R. Unit (RS).

Sparrow - Siskin: **CLAY-COLORED SPARROW**: 7 Oct (1) Perry Co (RS). **Vesper Sparrow**: 17 Oct (1) Shelby Bottoms (FF); 24 Oct / 8 Nov (1) Bell's Bend (FF / PDC, MS). **Lark Sparrow**: 13 / 14 Aug (1) Robertson Co, separate sites (Tony Lance); 18 Aug (2) Duck R. Unit (RS). **Henslow's Sparrow**: 24 Oct (1) Bell's Bend (FF). **Le Conte's Sparrow**: 10 Oct (1) Perry Co (RS). **Fox Sparrow**: 18 Oct (3) Bell's Bend (CW, NTOS), ers. **Lincoln's Sparrow**: 1 Oct (3) Fort Campbell, Montgomery Co (Daniel Moss); 2 Oct (1) Duck R. Unit (RS); 10 Oct (2) Perry Co (RS); 11 Oct (1) Shelby Bottoms (MS); 13 / 29 Oct (1) Percy Priest Field Trial Area (CW / SZ); 18 Oct (1) Gateway Pond (TJW); 24 Oct / 8 Nov (1) Bell's Bend (FF / PDC, MS); 1 Nov (1) Harpeth R Greenway, Davidson Co (FF). **Swamp Sparrow**: 27 Sep (3) Perry Co (RS), ers. **White-crowned Sparrow**: 23 Sep (1) Bellevue, Davidson Co (FF), ers. **Dark-eyed Junco**: 12 Oct (1) DeKalb Co (Carol Williams), ers; 19 Nov (1 "Cassiar" type) Lewis Co (WMP). **Rose-breasted Grosbeak**: 27 Sep (570) Perry Co (fide RS), on Fall Bird Count, max; 4 / 13 Nov (1) Clarksville, separate sites (Cyndi Routledge / Nita Heilman), lrs. **Indigo Bunting**: 22 Nov (1, at feeder) Perry Co (RS), lrs. **Bobolink**: 23 Aug (1) Duck R. Unit (SNM), ers; 18 Oct (1) Bell's Bend (FF), lrs. **Purple Finch**: 22 Oct (1) DeKalb Co (Tommy & Virginia Curtis), ers; also reported in Coffee, Montgomery, and Rutherford Cos. **Pine Siskin**: 18 Oct (3) Gateway Pond (TJW); 18 Oct (20+) Bell's Bend (CW, NTOS); ers / max; few scattered reports.

Locations: Bell's Bend - Davidson Co; Duck R Unit - unit of Tennessee NWR Humphreys Co; Eagleville sod farm - Rutherford Co; Gateway Pond - Rutherford Co; Old Hickory L - Davidson Co; Percy Priest Field Trial Area - Rutherford Co; Radnor L - Davidson Co; Shelby Bottoms - Davidson Co.

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CUMBERLAND PLATEAU / RIDGE and VALLEY REGION - - Following a cooler than average summer, early to mid-autumn had seasonable temperatures, while November was one of the coldest on record for that month. September had less than half the normal

amount of rainfall, while twice the average amount fell in October. August and November received slightly above normal precipitation. The season's first frost came 5 October in the Tri-cities, and the only measureable snowfall was 3 inches in Johnson City on 1 November, both earlier than normal.

The combined area of Rankin Bottoms and Upper Douglas Lake hosted 24 species of shorebirds this autumn, highlighted by American Avocet, Ruddy Turnstone, Wilson's Phalarope, and Red Phalarope. Elsewhere, a Red-necked Phalarope in Sullivan County was the first there and the seventh overall for the five county area of Northeast Tennessee. Laughing Gull has become increasingly regular in autumn at Upper Douglas Lake over the last decade or so, and a maximum of ten there this fall established a new high count for the site. Franklin's Gull has increased in recent years as well, with reports from two regional sites this fall. An adult Great Black-backed Gull on 31 August was the earliest by seven weeks of the now roughly 30 state records. A wing-tagged Great Egret seen at Hiwassee Refuge had been banded in Canada earlier this year. The only sightings of Common Gallinules this fall were oddly concentrated in the latter half of October. The hawkwatch at Soddy Mountain surpassed the fifty-thousand mark for Broad-winged Hawks counted during its 20 year run. The passerine migration was fairly decent overall. A few Purple Finches and Pine Siskins appeared late in the season, but there was only one report of Red-breasted Nuthatch.

Goose - Crane: **Greater White-fronted Goose**: 19-29 Oct (1) John Sevier L (SHu), only report. **Snow Goose**: 14 Nov (1) Washington Co (RLK); 16 Nov (1) White Pine, Jefferson Co (Allen Welch); 16 Nov (2) Chickamauga L (KAC, Dan Jacobson); 17 Nov (3) Chattanooga (KAC); 18 Nov (7) Hiwassee Refuge (BD). **Ross's Goose**: 12 Nov (1) John Sevier L (SHu); 28 Nov (1) Washington Co (RLK). **American Wigeon**: 8 Oct (2) Austin Springs (RLK), ers. **Northern Shoveler**: 8 Sep (2) Paddle Cr (RLK), ers. **Redhead**: 6 Nov (33) Chickamauga L (BD), max. **Bufflehead**: 26 Oct (2) John Sevier L (SHu), ers. **Hooded Merganser**: 17 Nov (330) Middlebrook L, Sullivan Co (JWC), new high count in NE Tenn. **Common Merganser**: 24 Nov (1 female) Boone L (RLK). **American White Pelican**: 7 Aug (3) Upper Douglas L (MBS); 17 Sep (1) Helenwood, Scott Co (photo, fide SGS); 3-12 Nov (3-4) Hiwassee Refuge (Charles Murray, m.ob.). **Double-crested Cormorant**: 30 Sep (680) Upper Douglas L (MBS), new high count there. **Great Egret**: 6 Sep (190) Rankin Bottoms (MBS), max; 30 Oct (1, wing-tagged) Hiwassee Refuge (John Champion, Samantha Christen), had been banded as a juvenile on 26 Jun 2014 on southern Georgian Bay of Lake Huron in Ontario, Canada (fide SGS). **Snowy Egret**: 5-26 Sep (1) Brainerd Levee (HB). **Little Blue Heron**: 3 Sep (1 im) Cove Lake SP (Nell Moore); 5-26 Sep (2 im) Brainerd Levee (HB). **Cattle Egret**: 18 Aug (1) John Sevier L (SHu); 14 Nov (1) Bowmantown, Washington Co (RLK), quite late; only reports. **Black-crowned Night-Heron**: 23 Sep (44) Rankin Bottoms (MBS), max. **White Ibis**: 24 Aug - 12 Sep (1-3 im) Rankin Bottoms (DK, RLK, m.ob.); 7 Sep (1 im) Bowmantown, Washington Co (RLK); 28 Oct (1 im) Rankin Bottoms (DK), one of the latest sightings ever in the state. **Osprey**: 6 Nov (1) Chickamauga L (BD), lrs. **Mississippi Kite**: 23 Sep (1 im) Soddy Mtn (Jimmy & Cynthia Wilkerson, m.ob.). **Northern Harrier**: 15 Aug (1) John Sevier L (SHu), ers. **Golden Eagle**: 10 Nov (1 im) Soddy Mtn (Bill Haley). **Virginia Rail**: thru season (1-2) Standifer Gap Marsh, Hamilton Co (m.ob.). **Sora**: 16 Sep

(1) Alcoa (TH); 6 Oct (1, found dead) Greenway Farm (DA). **Common Gallinule**: 18-20 Oct (1) Brainerd Levee (Evan Buck, m.ob.); 19-20 Oct (3-1) John Sevier L (SHu); 19-25 Oct (1) Hiawatha L., Cumberland Co (EKL, m.ob.); 24 Oct (2) Alcoa (TH). **American Coot**: 15 Aug (1) John Sevier L (SHu), ers. **Sandhill Crane**: 22 Oct (6) Hiwassee Refuge (Charles Murray), ers; 16 / 29 Nov (4 / 12) Jefferson Co (Allen Welch), east of usual migration corridor.

Shorebirds: **American Avocet**: 3-23 Sep (1) Rankin Bottoms (RLK, MBS, m.ob.); 5-12 Oct (3) Louisville, Blount Co (TH, m.ob.); 19 Oct (2) Maryville, Blount Co (Steve Adair), thought to be different birds than the previous report. **Black-bellied Plover**: 17 Aug - 11 Oct (1-2) Rankin Bottoms (MBS, RLK, m.ob.). **American Golden-Plover**: 24 Aug - 12 Sep (1-3) Rankin Bottoms (DK, RLK, MBS, DW, m.ob.). **Semipalmated Plover**: 3-7 Sep (25) Rankin Bottoms (RLK, MBS), max; 8 Oct (1) Paddle Cr pond (RLK), lrs. **Solitary Sandpiper**: 15 Oct (1) Paddle Cr pond (RLK, RMC), lrs. **Greater Yellowlegs**: 29 Oct (34) Austin Springs (RLK), max; 12-18 Nov (1) Paddle Cr pond (Adam & Josh Alley, RMC), lrs. **Lesser Yellowlegs**: 31 Aug (44) Rankin Bottoms (DW), max. **Ruddy Turnstone**: 27 Aug / 6 Sep (1) Rankin Bottoms (RLK, MBS / TH et al.). **Stilt Sandpiper**: 17 Aug - 27 Sep (1-5) Rankin Bottoms (MBS, RLK m.ob.). **Sanderling**: 27 Aug - 14 Oct (1-4) Rankin Bottoms (RLK, DW, MBS, m.ob.); 7-12 Sep (1) Paddle Cr pond (RBB, RMC, m.ob.). **Dunlin**: 11-12 Oct (1-9) Upper Douglas L (DK, DW, m.ob.); 14-29 Oct (1-4) Austin Springs (RLK); 29 Oct (2) Eagle Bend (Shane Williams). **Baird's Sandpiper**: 24 Aug - 30 Sep (1-2) Rankin Bottoms (DK, RLK, MBS, m.ob.). **Least Sandpiper**: 3 Sep (130+) Rankin Bottoms (RLK), max. **White-rumped Sandpiper**: 1-30 Sep (max 12 on 14 Sep) Rankin Bottoms (CJW, MBS, RLK, Ron Hoff, Dollyann Myers, m.ob.). **Buff-breasted Sandpiper**: 29 Aug - 16 Sep (1-15) Rankin Bottoms (DW, RLK, MBS, m.ob.); 9-11 Sep (1) Eagle Bend (Chuck Estes). **Pectoral Sandpiper**: 3 Sep (75+) Rankin Bottoms (RLK), max. **Semipalmated Sandpiper**: 3 Sep (180+) Rankin Bottoms (RLK), max. **Western Sandpiper**: 24 Aug - 20 Sep (1-10) Rankin Bottoms (DK, DW, RLK, MBS, m.ob.). **Short-billed Dowitcher**: 21 Aug - 8 Sep (1-12) Rankin Bottoms (MBS, DK, RLK, DW, m.ob.). **Wilson's Snipe**: 6 Sep (1) Rankin Bottoms (DW), ers. **Wilson's Phalarope**: 3-8 Sep (1-2) Rankin Bottoms (RLK, MBS, m.ob.). **RED PHALAROPE**: 9-11 Sep (1) Rankin Bottoms (MBS, photo, m.ob.), 5th record there. **RED-NECKED PHALAROPE**: 27 Sep (1) Paddle Cr pond (Jean Henson, Neal Henson, JWC, m.ob., photo), 7th record in NE Tenn.

Gull - Falcon: **Laughing Gull**: 9 Aug (1) Austin Springs (RLK); 4 Sep - 9 Nov (max 10 on 16 Sep) Upper Douglas L (DW, RLK, MBS, m.ob.), new high count there and record length of stay. **Franklin's Gull**: 5 Oct (6) Austin Springs (RLK), 2nd record in NE Tenn; 10 Oct - 9 Nov (1-3) Upper Douglas L (SGS, DK, DW, m.ob.), 4th record there. **Ring-billed Gull**: 21 Aug (20) Rankin Bottoms (MBS), ers. **Great Black-backed Gull**: 31 Aug (1 ad) Tennessee R, Hamilton Co (Dan Jacobson, David Hollie, photo), very early. **Caspian Tern**: 21 Aug - 9 Sep and 13-14 Oct (2-6) Rankin Bottoms (MBS, m.ob.); 3 Sep (3) Austin Springs (RLK). **Black Tern**: 17 Aug (1) and 2-8 Sep (17-24) Rankin Bottoms (MBS / DW, RLK, m.ob.); 31 Aug (25) L Tansi, Cumberland Co (EKL); 31 Aug (16) Chickamauga L (KAC, David Hollie);

2 Sep (10) John Sevier L (SHu); 2-5 Sep (3-11) Austin Springs (RRK, RLK, m.ob.). **Common Tern**: 1 Sep (25) Nickajack L, Marion Co (KAC); 3-14 Sep (1-8) Rankin Bottoms (RLK, DW, m.ob.); 13 Sep (1) Austin Springs (RLK); 10-13 Oct (1) Upper Douglas L (SGS, DK, DW). **Forster's Tern**: 18 Aug (2) Phipps Bend, Hawkin's Co (Roger Lemaster); 20 Aug (5) John Sevier L (SHu); 3 Sep (3) Rankin Bottoms (RLK); 29 Sep (1) Austin Springs (RLK); 10-14 Oct (9-13) Upper Douglas L (SGS, DK, DW). **Yellow-billed Cuckoo**: 18 Oct (1, window kill) Johnson City (Mary Anna Wheat), lrs. **Black-billed Cuckoo**: 13 Aug (1) Norris Dam (Phil & Carolyn Snow); 20 Sep (1) Johnson City (DW); 28 Sep (1) Steele Cr Park, Sullivan Co (Don Holt). **Rufous Hummingbird**: late Oct into Dec (1) Washington Co (fide BKS); 12-30 Nov (1) Hamilton Co (Sally Michaud). **Red-headed Woodpecker**: 25 Sep (2 ad, 2 im) northwestern Sevier Co (Keith Watson). **Merlin**: 26 Aug / 27 Sep / 4 Nov (1) Austin Springs (RRK, RLK, m.ob.); 28 Sep (1) Paddle Cr pond (RBB); 6 Oct (1) Bristol (Richard Lewis); 19 Oct (1) John Sevier L (SHu); 24 Nov (1) Middlebrook L, Sullivan Co (RLK). **Peregrine Falcon**: 14 Sep - 10 Oct (at least 5 reports of 1) Rankin Bottoms (MBS, m.ob.); 15 Sep (1) Seven Islands SP (Morton Massey); 3 Oct (1) near Johnson City (Jonathan & David Lugo); 8-29 Oct (1) Austin Springs (RLK).

Flycatcher - Pipit: **Olive-sided Flycatcher**: 5 Aug (1) Knox Co (KDE); 6 Oct (1) Marion Co (TLR). **Yellow-bellied Flycatcher**: 15 Sep (1) Alcoa (TH); 22 Sep / 10 Oct (2 ba / 1 ba) Greenway Farm (DA). **Least Flycatcher**: 25 Sep (1) Knox Co (KDE). **Scissor-tailed Flycatcher**: 25 Oct (1) Bledsoe Co (SNM, N.P. McWhirter). **Loggerhead Shrike**: 28 Sep (1) near Seven Islands SP (Paul Hartigan Jim Human). **Warbling Vireo**: 18 / 20 Sep (1) Knox Co (KDE). **Philadelphia Vireo**: 20-28 Sep (3 reports of 1) Johnson City (DW, RLK); 23 Sep (1) Cove Lake SP (Carole Gobert); 23 Sep (1) Craven's House (KAC); 24 / 28 Sep (1 / 2) Knox Co, separate sites (KDE / CJW); 2 Oct (1) Hamilton Co (TLR); 16 Oct (1) Blount Co (TH). **Common Raven**: 8 Sep (1) Tri-cities Airport, Sullivan Co (Nicholas Lorch); 22 Sep (2) Boone's Cr, Washington Co (Heather Jones); 27 Sep (1) Gray, Washington Co (RLK); 2 Oct (1) Johnson City (RRK); 5 Nov (1) Kingsport (RLK). **Tree Swallow**: 30 Sep (2,000+) Upper Douglas L (MBS), max; 1 Nov (17) Austin Springs (RLK), lrs. **Red-breasted Nuthatch**: 7 Nov (1) Grundy Co (SNM), only report. **Sedge Wren**: 31 Oct (1) Brainerd Levee (KAC). **Marsh Wren**: 11 / 17 Oct (2 / 1) Austin Springs (RLK). **Golden-crowned Kinglet**: 2 Oct (1) Knox Co (KDE), ers. **Gray-cheeked Thrush**: 15 Sep (1 ba) Greenway Farm (DA), ers. **American Pipit**: 23 Sep (1) Rankin Bottoms (MBS), ers.

Warbler - Siskin: **Worm-eating Warbler**: 24 Oct (1 ba) Greenway Farm (DA), lrs. **Northern Waterthrush**: 31 Oct (1) Brainerd Levee (KAC et al.), late. **Golden-winged Warbler**: 11 Sep (1) Norris Dam (Shane Williams); 15 Sep (1) Craven's House (KAC); 16 Sep (1) Greenway Farm (DA); 19 Sep (1) Knox Co (KDE); 23 Sep (1) Seven Islands SP (Morton Massey); 26 Sep (1) Marion Co (TLR). **Tennessee Warbler**: 31 Oct (1) Brainerd Levee (KAC et al.), lrs. **Cerulean Warbler**: 14 Aug (1) Knox Co (KDE). **Northern Parula**: 9 Oct (1) Kingsport (RLK), lrs. **Magnolia Warbler**: 12 Aug (1) Knox Co (KDE), ers. **Blackpoll Warbler**: 12 Oct (1) Craven's House (TLR, Libby Wolfe), rare in fall. **Black-throated Blue Warbler**: 17 Sep (1 male) Norris Dam (Ron Hoff, Dollyann Myers); 8 Oct (1 male) Knox Co (KDE).

Yellow-rumped Warbler: 24 Sep (1) Knox Co (KDE), ers. **Black-throated Green Warbler**: 28 Oct (1) Lookout Mtn (BD), lrs. **Canada Warbler**: 25 Aug (2 ba) Greenway Farm (DA), ers. **Wilson's Warbler**: 28 Aug (1) Norris Dam (Shane Williams); 10 / 28 Sep (1) Knox Co (KDE / CJW); 7 Oct (1) Craven's House (KAC). **Vesper Sparrow**: 25 Oct (1) Bible Refuge (DK, DHM); 27 Oct (1) Kingsport (RLK); 30 Oct (1) Standifer Gap Marsh, Hamilton Co (BD); 10 Nov (1) Hiwassee Refuge (BD). **Fox Sparrow**: 28 Oct (1) Washington Co (RLK), ers. **Lincoln's Sparrow**: 28 Sep (1) Knox Co (CJW); 9 / 21 Oct (1) Kingsport (Rick Phillips / RLK); 27 / 31 Oct (2 / 1) Standifer Gap Marsh (HB); 29 Oct (2) Cove Lake SP (Nell Moore); 31 Oct (1) Brainerd Levee (KAC et al.); 2 Nov (1) Seven Islands SP (CJW). **Blue Grosbeak**: 2 Oct (1) Washington Co (RLK), lrs. **Rusty Blackbird**: 5 Nov (6) Kingsport (RLK), ers. **Purple Finch**: 27 Oct (5) Lookout Mtn, Hamilton Co (BD), ers; small numbers scattered thru Nov. **Pine Siskin**: 27 / 28 Oct (37 / 72) Lookout Mtn, Hamilton Co (BD), ers / max; a few other reports of small numbers scattered thru Nov.

Locations: Alcoa - Blount Co; Austin Springs - Washington Co; Brainerd Levee - Hamilton Co; Chickamauga L - Hamilton Co; Cove Lake SP - Campbell Co; Craven's House - unit of Chickamauga and Chattanooga National Military Park, Hamilton Co; Greenway Farm - Hamilton Co; Hiwassee Refuge - Meigs Co; John Sevier L - Hawkins Co; Norris Dam - Anderson Co; Paddle Cr pond - Sullivan Co; Rankin Bottoms - Cocke Co; Seven Islands SP - Knox Co; Soddy Mtn - Hamilton Co; Standifer Gap Marsh - Hamilton Co; Upper Douglas L - Cocke Co.

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EASTERN MOUNTAIN REGION - - September was warmer than normal while November was 6° F colder than normal. After a fairly dry year, October made up some of the rainfall deficit with more than 4 inches of above normal precipitation. The season's only significant snowfall occurred on 1 November with 16-22 inches on the higher peaks of the Smokies and 7 inches at Roan Mountain.

A flock of 15 Ross's Geese on a small pond in Carter County set a regional high count. Eared Grebes made their annual return to South Holston Lake, but have become harder to find in recent years. A Piping Plover at South Holston Lake was the region's first record.

It was a good year for the two mountain banding stations. Passerine banding at Big Bald Mountain set a record number of total species and individuals for that station in its 37 years of operation. Hawks and Northern Saw-whet Owls were also banded at Big Bald. Whigg Meadow had much better totals than the previous year, both in total species and individuals. Two Tennessee Warblers and a Cape May Warbler banded in the previous year were recaptured. Both Black-capped and Carolina Chickadees were banded at Whigg Meadow. Summaries from both stations are presented below.

- Big Bald Mountain, Unicoi County: 23 August - 2 November; 2832 birds of 72 species banded; Mark Hopey, bander. Top species banded: Tennessee Warbler (519), Black-

throated Blue Warbler (447), Swainson's Thrush (352), Cape May Warbler (267), and Palm Warbler (266).

- Whigg Meadow, Monroe County: 30 August - 28 September; 1353 birds of 52 species banded; Scott Somershoe, bander. Top species banded: Tennessee Warbler (254), Blue-headed Vireo (178), Swainson's Thrush (153), Black-throated Blue Warbler (125), and Chestnut-sided Warbler (84).
- Big Bald Mountain hawk and owl banding operation, Unicoi County: through September and October; 82 birds of 7 species banded; Mark Hopey, bander. Species banded: Sharp-shinned Hawk (44), Red-tailed Hawk (10), Cooper's Hawk (9), Merlin (4), Peregrine Falcon (4), Broad-winged Hawk (1), and Northern Saw-whet Owl (10).

Goose - Crane: **Snow Goose**: 18 / 21 Oct (1) South Holston L (RLK / RMC). **Ross's Goose**: 14 Nov (15) Great Lakes pond, Carter Co (TSM, Kim Stroud), new high count in NE TN. **Gadwall**: 6 Nov (106) South Holston L (RLK), max. **American Black Duck**: 24 Oct (1) Shady Valley (RLK), ers. **Blue-winged Teal**: 4 Oct (200) South Holston L (RLK) and (104) Sycamore Shoals SP (BKS); 5 Oct (170) Cades Cove (Warren Bielenberg). **Northern Shoveler**: 6 Nov (24) South Holston L (RLK), max. **Northern Pintail**: 17 Nov (7) Watauga L, Carter Co (BP, JP). **Surf Scoter**: 7 Nov (12) South Holston L (Adam Alley, JWC et al.). **Bufflehead**: 27 Oct (4) Wilbur L, Carter Co (BP, JP), ers; 18 Nov (410+) South Holston L (RLK), new high count in NE Tenn. **Common Merganser**: 27 Sep (1 female) Roan Cr arm of Watauga L, Johnson Co (TSM, CMy, photo); 25 Oct (1 female) Sycamore Shoals SP (BKS, TSM, m.ob.); both early. **Common Loon**: 14 Oct (2) South Holston L (RMC), ers. **Horned Grebe**: 23 Oct / 29 Nov (3 / 50) South Holston L (RLK), ers / max. **Eared Grebe**: 6-29 Nov (1-3) South Holston L (RLK, m.ob.), present for 21st consecutive year. **American Bittern**: 8 Oct (1) Simerly Cr (Richard Connors, photo). **Great Egret**: 2 Nov (1) South Holston R, Sullivan Co (TSM, CMy), lrs. **Green Heron**: 17 Oct (1) Elizabethton (DW), lrs. ***Plegadis* species**: 22 Aug (1) South Holston L (Mike Evans, Louise Tilson). **Osprey**: 22 Nov (1) South Holston R Weir, Sullivan Co (RLK et al.), lrs. **Northern Harrier**: 31 Aug (1) Shady Valley (JWC, Andy Jones), ers. **Golden Eagle**: 8 Sep (1 im) Roan Mtn balds (Jamey Donaldson); unspecified dates (2) Big Bald Mtn (MEH), during hawkwatch. **Sandhill Crane**: 25 Oct (1) near Milligan College, Carter Co (GOW); 15 Nov (1, flying over) Roan Mtn balds (RLK).

Avocet - Falcon: **American Avocet**: 3 Sep / 8 Oct (3 / 5) South Holston L (Glen Eller, m.ob. / RLK, m.ob.). **Black-bellied Plover**: 1 Nov (2) South Holston L (RLK, DK). **Semipalmated Plover**: 14 Aug - 5 Sep (1) South Holston L (JWC, m.ob.); 3 Sep (2) Great Lakes pond, Carter Co (TSM). **PIPING PLOVER**: 2-3 Sep (1, color-banded) South Holston L (JWC, Nancy McPeak / RLK), it had been banded as a chick on the Missouri R, near Yankton, South Dakota, in June 2014. **Greater Yellowlegs**: 1 Nov (25) South Holston L (RLK, DK), max; 26 Nov (1) Watauga R (Harry Farthing), lrs. **Ruddy Turnstone**: 20 Sep (1) South Holston L (JWC). **Stilt Sandpiper**: 18 Aug (3) South Holston L (RLK). **Sanderling**: 8-9 Sep (3-2) South Holston L (RLK, m.ob.). **Dunlin**: 1 Nov (66) South Holston L (RLK, DK), only report, very high number for NE Tenn. **Pectoral Sandpiper**: 1 Nov (7) South Holston

L (RLK, DK), lrs. **Short-billed Dowitcher**: 28-31 Aug (1) South Holston L (DW, JWC). **Laughing Gull**: 21 Sep (1) South Holston L (RLK, RBB, RMC); 12 Nov (1) South Holston L (RLK). **Bonaparte's Gull**: 23 Oct (2) South Holston L (RLK), ers. **Ring-billed Gull**: 8 Oct (1) South Holston L (RLK), ers. **Herring Gull**: 30 Oct (1) South Holston L (RRK, Glen Eller), ers. **Caspian Tern**: 15 Aug / 1 Sep / 14-17 Sep (2 / 9 / 2) South Holston L (JWC, RMC). **Black Tern**: 12 Aug (2) and 2 Sep (~70) South Holston L (RLK / RRK et al.), ers / new high count in NE TN. **Common Tern**: 12 Aug / 17 Sep / 15 Oct / 1 Nov (1) South Holston L (RLK et al.). **Forster's Tern**: 12 Aug - 1 Nov (8 reports of 1-8) South Holston L (RRK, RMC, RLK, m.ob.); 14 Nov (1) Bent Cr Golf Course, Sevier Co (KW). **Barn Owl**: 10 Oct (1) Orchard Bog in Shady Valley (DW), first valley record in many years. **Northern Saw-whet Owl**: 9 Aug - 30 Oct (10 ba) Big Bald Mtn (MEH). **Eastern Whip-poor-will**: 27 Sep (1) Wilbur L, Carter Co (BP, JP), lrs. **Merlin**: 23 Sep (1) Shady Valley (DW); 27 Sep (1) Watauga R (GOW, BKS, BP, JP); 10 Oct (1) Sugarlands, Great Smoky Mtns National Park (Simon Thompson); 3 Nov (1) South Holston L (JWC); 23 Nov (1) Elizabethton (TSM, CMy). **Peregrine Falcon**: 7 Sep (1) Roan Mtn (Jamey Donaldson); 21 Sep (1) South Holston L (RLK, RBB, RMC); 27 Sep (1) near Erwin, Unicoi Co (Joe McGuiness, Kim Stroud); 5 Oct (1) Holston Valley (RBB, RMC).

Flycatcher - Longspur: **Olive-sided Flycatcher**: 16 Sep (1) Bluff Mtn, Sevier Co (KW). **Yellow-bellied Flycatcher**: 28 Aug / 12 Sep (1) South Holston L (RLK); 6 Sep (1 ba) Holston Valley (Richard Lewis); 8 Sep (1) Elizabethton (DW). **Loggerhead Shrike**: 5 Aug (2) Holston Valley (RRK et al.), only report. **Warbling Vireo**: 17 Sep (1) Shady Valley (RLK), lrs. **Philadelphia Vireo**: 20 Sep / 9 Oct (3 / 1) Pittman Center (KW); 23-27 Sep (4 reports of 1) Elizabethton (RLK, DW, BKS); 25 Sep (1 ba) Big Bald Mtn (MEH); 27 Sep (1) Roan Mtn (Fred Alsop); 27 Sep (1) Watauga R (GOW, BP, JP). **Common Raven**: 15 Sep (23, loose flock) Roan Mtn (DW), max; 9 Nov (1) Chilhowee Recreation Area, Polk Co (Jimmy and Cynthia Wilkerson). **Tree Swallow**: 2 Nov (3) South Holston L (RLK), lrs. **Black-capped Chickadee**: 28 Sep (1 ba) Whigg Meadow (SGS). **Carolina Chickadee**: 30 Aug (1 ba) Whigg Meadow (SGS); thru Oct (5 ba) Big Bald Mtn (MEH); uncommon above 5000 ft. **Red-breasted Nuthatch**: 17 Sep (1) Shady Valley (RLK); few reports away from breeding sites. **Sedge Wren**: 10-13 Oct (1) Quarry Bog in Shady Valley (DW, RLK); 10 Oct (1) Sevier Co (KW); 18 Oct (1) Sycamore Shoals SP (BKS, DK, m.ob.). **Marsh Wren**:19 Sep - 18 Oct (1-4) Shady Valley (DW, RLK, m.ob.). **Carolina Wren**: 10 Sep (1 ba) Whigg Meadow (SGS), unusual there. **Ruby-crowned Kinglet**: 17 Sep (1) Shady Valley (RLK), ers. **Eastern Bluebird**: 10 Nov (3) Round Bald on Roan Mtn (RLK), unusual at high elevation. **Hermit Thrush**: 27 Sep (1 ba) Big Bald Mtn (MEH). **Gray Catbird**: 22 Nov (1) Simerly Cr (BKS), lrs. **American Pipit**: 30 Oct (4) Round Bald on Roan Mtn (RLK). **Lapland Longspur**: 10 Nov (1) Round Bald on Roan Mtn (RLK).

Warbler - Siskin: **Blue-winged Warbler**: 3 Sep (1 ba) Big Bald Mtn (MEH); 23 Sep (1) Elizabethton (RLK). **Golden-winged Warbler**: 5-20 Sep (3 ba) Big Bald Mtn (MEH); 16 Sep (1) South Holston L (RLK); 18 Sep (1) Roan Mtn (RLK); 20 Sep (5) Pittman Center (KW, Craig Watson). **Prothonotary Warbler**: 3 / 13 Sep (1 / 2) Elizabethton (DW), scarce

in region. **Tennessee Warbler**: 25 Aug (2) Roan Mtn (RLK), ers. **Orange-crowned Warbler**: 27 Sep (1) Roan Cr, Johnson Co (TSM, CMy); 5 Oct (1) Holston Valley (RBB, RMC); 10 Oct (1 ba) Big Bald Mtn (MEH); 17 Oct (1) Elizabethton (DW); 18 / 24 Oct (2 / 1) Shady Valley (RLK); 25 Oct (2) Sycamore Shoals SP (BKS, m.ob.); good showing. **Nashville Warbler**: 19 Sep (1) Watauga L, Johnson Co portion (RLK); 23 Sep (1) Pittman Center (KW); 26 / 30 Sep (1) Shady Valley (RLK); Sep - Oct (8 ba) Big Bald Mtn (MEH); 1 / 17 Oct (1) Elizabethton (DW); 18 Oct (1) Shady Valley (RLK); good showing. **Mourning Warbler**: 24 Aug (1 ba) Big Bald Mtn (MEH), first ever banded there. **Common Yellowthroat**: 30 Sep (21) and 31 Oct (1) Shady Valley (RLK), max / lrs. **Cape May Warbler**: 25 Aug (2) Roan Mtn (RLK), ers. **Bay-breasted Warbler**: 10 Oct (35+) Cades Cove (Simon Thompson), max. **Chestnut-sided Warbler**: 18 Oct (1) Sycamore Shoals SP (BKS, DK, m.ob.), lrs. **Blackpoll Warbler**: 25 Sep (1) Elizabethton (DW); 8 Oct (1 ba) Big Bald Mtn (MEH); rare in fall. **Black-throated Blue Warbler**: 17 Oct (1) Elizabethton (DW), lrs. **Palm Warbler**: 10 Sep (4) Roan Mtn (RLK), ers; 18 Oct (40, including 1 "Yellow Palm") Shady Valley (RLK), max. **Yellow-rumped Warbler**: 27 Sep (1) Ripshin L, Carter Co (Fred Alsop), ers. **Wilson's Warbler**: 9 / 17 / 26 Sep (1-2) Shady Valley (RLK); 11 Sep (1) Simerly Cr (BKS). **Vesper Sparrow**: 10 Oct (1) Cades Cove (Simon Thompson). **Nelson's Sparrow**: 6 Oct (1) Quarry Bog in Shady Valley (RLK). **Fox Sparrow**: 24 Oct (1) Shady Valley (RLK), ers. **Lincoln's Sparrow**: 17 Sep - 31 Oct (max 11 on 18 Oct) Shady Valley (RLK et al.), just second double-digit count in state; early Oct (2 ba) Big Bald Mtn (MEH). **Swamp Sparrow**: 26 Sep (1) Shady Valley (RLK), ers. **Summer Tanager**: 17 Sep (1) Orchard Bog in Shady Valley (RLK), first record in valley. **Bobolink**: 18 Oct (1) Shady Valley (RLK), lrs. **Baltimore Oriole**: 17 Sep (1) Shady Valley (RLK), lrs. **Purple Finch**: 26 / 28 Oct (1 / 12) Simerly Cr (BKS), ers / max. **Pine Siskin**: 24 Oct (40) Shady Valley (RLK), ers / max.

Locations: Big Bald Mtn - Unicoi Co; Cades Cove - Great Smoky Mtns National Park; Elizabethton - Carter Co; Holston Valley - Sullivan Co; Pittman Center - Sevier Co; Roan Mtn - Carter Co; Shady Valley - Johnson Co; Simerly Cr - Carter Co; South Holston L - Sullivan Co; Sycamore Shoals SP - Carter Co; Watauga R - Carter Co; Whigg Meadow - Monroe Co.

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SHu - Susan Hubley
DK - David Kirschke
RLK - Richard L. Knight
RRK - Roy R. Knispel
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SNM - Susan N. McWhirter
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MS - Mike Smith
SGS - Scott G. Somershoe
BKS - Bryan K. Stevens
RS - Ruben Stoll
MCT - Michael C. Todd
CW - Chloe Walker
JJW - John "Jay" Walko
GOW - Gary O. Wallace
KW - Keith Watson
CJW - Chris J. Welsh
DW - Darrel Wilder
TJW - Terry J. Witt
SY - Stanley York, Jr.
SZ - Stephen Zipperer

NTOS - Nashville chapter, TOS

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